

Технические характеристики

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Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
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PROTECTION DIODES - TVS AND ESD PROTECTION - TRANSZORB® TVS

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualifie
1.5KE6.8A thru 1.5KE540A, 1N6267A thru 1N6303A		1.5KE	1500	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes
1.5SMC Series		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
3.0C10CA-M3 thru 3.0C120CA-M3		SMC (DO-214AB)	3000	Bidirectional	11.1	10.0	120.0	175	TRANSZORB® TVS	No
5KP8.5A thru 5KP188A		P600	5000	Unidirectional	9.4	8.5	188.0	175	TRANSZORB® TVS	Yes
BZW04-5V8 thru BZW04-376		DO-41 (DO-204AL)	400	Unidirectional, bidirectional	6.45	5.8	376.0	175	TRANSZORB® TVS	Yes
LVB14A		SMB (DO-214AA)	600	Unidirectional	13.2	12.0	12.0	150	TRANSZORB® TVS	No
LVB14A		SMB (DO-214AA)	600	Unidirectional	13.2	12.0	12.0	150	TRANSZORB® TVS	No
MSMP6.0A thru MSMP20A		MicroSMP (DO-219AD)	150	Unidirectional	6.67	6.0	20.0	150	TRANSZORB® TVS	No
MSP3V3, MSP5.0A		MicroSMP (DO-219AD)	150	Unidirectional	4.1	3.3	5.0	150	TRANSZORB® TVS	Yes
P4KE530, P4KE550		DO-41 (DO-204AL)	300	Unidirectional	530.0	477.0	495.0	150	TRANSZORB® TVS	No
P4KE6.8A thru P4KE540A		DO-41 (DO-204AL)	400	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes
P4SMA Series		SMA (DO-214AC)	400	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
P6KE6.8A thru P6KE540A		DO-15 (DO-204AC)	600	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes
P6SMB Series		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
SA5.0A thru SA170CA		DO-15 (DO-204AC)	500	Unidirectional, bidirectional	6.4	5.0	170.0	175	TRANSZORB® TVS	Yes
SAC5.0 thru SAC50		DO-15 (DO-204AC)	500	Unidirectional	7.6	5.0	50.0	175	TRANSZORB® TVS	No
SM15T Series		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.8	5.8	188.0	150	TRANSZORB® TVS	Yes
SM6T Series		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.8	5.8	188.0	150	TRANSZORB® TVS	Yes
SMA5J5.0A thru SMA5J40CA		SMA (DO-214AC)	500	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	Yes
SMA6F5.0A thru SMA6F130A		SlimSMA (DO-221AC)	600	Unidirectional	6.4	5.0	130.0	175	TRANSZORB® TVS	No
SMA6J5.0A thru SMA6J28A		SMA (DO-214AC)	600	Unidirectional	6.4	5.0	28.0	150	TRANSZORB® TVS	No
SMA6J5.0A thru SMA6J28A		SMA (DO-214AC)	600	Unidirectional	6.4	5.0	28.0	150	TRANSZORB® TVS	No




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SMAJ5.0A thru SMAJ188CA		SMA (DO-214AC)	400	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMAJ530, SMAJ550		SMA (DO-214AC)	300	Unidirectional	530.0	477.0	495.0	150	TRANSZORB® TVS	Yes
SMB10(8)J5.0(C)A thru SMB10(8)J40(C)A		SMB (DO-214AA)	1000	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	Yes
SMB10(8)J5.0(C)A thru SMB10(8)J40(C)A		SMB (DO-214AA)	1000	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	No
SMBG5.0A thru SMBG188CA		SMBG (DO-215AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMBG5.0A thru SMBG188CA		SMBG (DO-215AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	No
SMBJ3V3		SMB (DO-214AA)	600	Unidirectional	4.1	3.3	3.3	175	TRANSZORB® TVS	Yes
SMBJ5.0A thru SMBJ188A		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMBJ5.0D thru SMBJ188D, SMBJ5.0CD thru SMBJ120CD		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.5	5.0	188.0	150	TRANSZORB® TVS	No
SMC3K10CAHM3_A thru SMC3K120CAHM3_A		SMC (DO-214AB)	3000	Bidirectional	11.1	10.0	120.0	175	TRANSZORB® TVS	Yes
SMC5K10A thru SMC5K85A		SMC (DO-214AB)	5000	Unidirectional	11.1	10.0	85.0	150	TRANSZORB® TVS	Yes
SMC5K10CA thru SMC5K85CA		SMC (DO-214AB)	5000	Bidirectional	11.1	10.0	85.0	175	TRANSZORB® TVS	No
SMCG5.0A thru SMCG188CA		SMCG (DO-215AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMCG5.0A thru SMCG188CA		SMCG (DO-215AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	No
SMCJ5.0A thru SMCJ188CA		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMP3V3 thru SMP36A		SMP (DO-220AA)	400	Unidirectional	4.1	3.3	36.0	150	TRANSZORB® TVS	No
SMPC5.0A thru SMPC36A, SMPC22AN thru SMPC85AN		SMPC (TO-277A)	1500	Unidirectional	6.4	5.0	85.0	150	TRANSZORB® TVS	Yes
TGL41-6.8A thru TGL41-200A		GL41 (DO-213AB)	400	Unidirectional	6.45	5.8	171.0	150	TRANSZORB® TVS	No
VTVS3V3ASMF to VTVS63GSMF		SMF (DO-219AB)	400	Unidirectional	6.4	3.3	63.0	175	TRANSZORB® TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - PAR® TVS






















Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
3KASMC10A thru 3KASMC43A		SMC (DO-214AB)	3000	Unidirectional	11.1	10.0	43.0	185	PAR® TVS	Yes
5KASMC10A thru 5KASMC43A		SMC (DO-214AB)	5000	Unidirectional	11.1	10.0	43.0	185	PAR® TVS	Yes
6KA24		P600	6000	Unidirectional	26.7	24.0	24.0	185	PAR® TVS	Yes
SM5A27		DO-218AB	3600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM5A27T		DO-218AC	3600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM5S10A thru SM5S36A		DO-218AB	3600	Unidirectional	11.1	10.0	36.0	175	PAR® TVS	Yes
SM5S10AT thru SM5S43AT		DO-218AC	3600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM6A27		DO-218AB	4600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM6A27T		DO-218AC	4600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM6S10A thru SM6S36A		DO-218AB	4600	Unidirectional	11.1	10.0	36.0	175	PAR® TVS	Yes
SM6S10AT thru SM6S43AT		DO-218AC	4600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM8A27		DO-218AB	6600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM8A27T		DO-218AC	6600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM8S10A thru SM8S43A		DO-218AB	6600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM8S10AT thru SM8S43AT		DO-218AC	6600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
T4F10A thru T4F51A		SMF (DO-219AB)	400	Unidirectional	10.0	8.55	43.6	185	PAR® TVS	Yes
TA6F6.8A thru TA6F51A		SlimSMA (DO-221AC)	600	Unidirectional	6.45	5.8	43.6	185	PAR® TVS	Yes
TA6L6.8A thru TA6L51A		SlimSMAW (DO-221AD)	600	Unidirectional	6.8	5.8	43.6	185	PAR® TVS	Yes

























Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
TMPG06-10A thru TMPG06-43A		MPG06	400	Unidirectional	10.0	8.55	36.8	185	PAR® TVS	Yes
TPC11CA thru TPC36CA		SMPC (TO-277A)	1500	Bidirectional	11.0	9.4	30.8	185	PAR® TVS	Yes
TPC6.8A thru TPC51A		SMPC (TO-277A)	1500	Unidirectional	6.8	5.8	43.6	185	PAR® TVS	Yes
TPSMA6.8A thru TPSMA43A		SMA (DO-214AC)	400	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes
TPSMB6.8A thru TPSMB43A		SMB (DO-214AA)	600	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes
TPSMC6.8A thru TPSMC47A		SMC (DO-214AB)	1500	Unidirectional	6.8	5.8	40.2	185	PAR® TVS	Yes
TPSMP6.8A thru TPSMP43A		SMP (DO-220AA)	400	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes





























PROTECTION DIODES - TVS AND ESD PROTECTION - XCLAMPTM



























Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{BR} Max. (V)	V _{WM} (V)	V _C Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
XLD5A24CA	 <small>DO-218AB</small>	DO-218AB	7700	Bidirectional	26.7	29.5	24.0	26.0	175	XClampR TM TVS	Yes
XLD8A24CA	 <small>DO-218AB</small>	DO-218AB	11000	Bidirectional	26.7	29.5	24.0	26.0	175	XClampR TM TVS	Yes
XMC7K24CA	 <small>SMC (DO-214AB)</small>	SMC (DO-214AB)	7000	Bidirectional	26.7	29.5	24.0	24.0	175	XClampR TM TVS	Yes














PROTECTION DIODES - TVS AND ESD PROTECTION - ESD PROTECTION




















Series	Product Image	Package (JEDEC®) Code	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	AEC-Q101 Qualified
GMF05C-HSF		LLP75-6L	5	126	1	12	200	5	± 30	125	No
GMF05LC-HSF		LLP75-6L	5	43	0.1	5	70	5	± 30	125	No
GSOT03 to GSOT36		SOT-23	15	90	1	8	230	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	4	310	20	30	429	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	12	115	1	12	312	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	3.3	420	100	30	369	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	8	160	5	18	345	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	5	260	10	30	480	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	36	52	1	3.5	248	1	± 30	125	Yes
GSOT03 to GSOT36		SOT-23	24	65	1	5	235	1	± 30	125	Yes
GSOT03C to GSOT36C		SOT-23	36	52	1	3.5	248	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	24	65	1	5	235	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	4	310	20	30	429	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	15	90	1	8	345	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	3.3	420	100	30	369	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	12	115	1	12	312	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	8	160	5	18	345	2	± 30	150	Yes
GSOT03C to GSOT36C		SOT-23	5	260	10	30	480	2	± 30	150	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	9	640	0.1	13.5	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	33	198	0.1	3.8	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	12	483	0.1	10.1	1000	1	± 30	175	Yes

Series	Product Image	Package (JEDEC®) Code	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	AEC-Q101 Qualified
SMF5V0A to SMF58A		SMF (DO-219AB)	51	151	0.1	2.4	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	5	1120	5	21.7	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	18	320	0.1	6.8	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	30	207	0.1	4.1	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	8.5	674	0.1	13.9	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	48	161	0.1	2.6	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	17	324	0.1	7.2	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	8	706	0.1	14.7	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	28	227	0.1	4.4	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	45	162	0.1	2.8	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	16	343	0.1	7.7	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	7.5	773	0.1	15.5	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	26	230	0.1	4.8	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	43	165	0.1	2.9	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	15	367	0.1	8.2	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	7	843	3	16.7	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	24	244	0.1	5.1	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	11	509	0.1	11	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	40	172	0.1	3.1	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	14	392	0.1	8.6	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	58	144	0.1	2.1	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	6.5	938	20	17.9	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	22	271	0.1	5.6	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	10	562	0.1	11.8	1000	1	± 30	175	Yes














Series	Product Image	Package (JEDEC®) Code	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	AEC-Q101 Qualified
SMF5V0A to SMF58A		SMF (DO-219AB)	36	178	0.1	3.4	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	13	423	0.1	9.3	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	54	148	0.1	2.25	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	6	1063	26	19.4	1000	1	± 30	175	Yes
SMF5V0A to SMF58A		SMF (DO-219AB)	20	283	0.1	6.2	1000	1	± 30	175	Yes
VBUS03B1-SD0		CLP0603-2L	3.3	0.29	0.05	2.5	45	1	± 16	150	No
VBUS03N1-DD1		DFN1006-2B	3.3	0.36	0.1	4	90	1	± 16	150	Yes
VBUS03N1-HD1		DFN1006-2A	3.3	0.7	0.1	4	60	1	± 16	150	Yes
VBUS052BD-HTF		LLP75-4L	5	1.5	0.1	3	45	2	± 15	125	No
VBUS052CD-FAH		LLP1713-7L	5	0.8	0.1	3.5	63	2	± 15	125	No
VBUS053AZ-HAF		LLP75-7L	5.5	0.7	0.085	3	36	3	± 15	125	No
VBUS053CZ-HAF		LLP75-7L	5.5	0.7	0.02	3	54	3	± 15	125	No
VBUS054B-HSF		LLP75-6L	5	0.8	0.1	3	45	4	± 15	125	No
VBUS054DD-HF4		LLP1010-5L	5	0.8	0.1	3	57	4	± 15	125	No
VBUS05B1-SD0		CLP0603-2L	5.5	0.29	0.05	2.5	45	1	± 16	150	No
VBUS05L1-DD1		LLP1006-2M	5.5	0.33	0.05	2	34	1	± 15	125	No
VBUS05M1-02V		SOD-523	5.5	0.7	0.1	4.5	70	1	± 18	150	Yes
VBUS05M2-HT1		LLP1006-3L	5.5	0.35	0.1	3.6	65	2	± 20	125	No
VBUS05M2-HT5		DFN1110-3A	5.5	0.37	0.1	3.4	60	2	± 20	150	Yes
VBUS05N1-DD1		DFN1006-2B	5.5	0.36	0.1	4	90	1	± 16	150	Yes
VBUS05N1-HD1		DFN1006-2A	5.5	0.7	0.1	4	60	1	± 16	150	Yes
VBUS54CV-HSF		LLP75-6L	5.5	1.2	0.1	11	242	4	± 30	125	No
VBUS54DD-HS4		LLP1010-6M	5.5	0.8	0.1	3	57	4	± 15	125	No
VBUS54FD-SD1		CLP1007-5L	5.5	0.9	0.1	3	45	4	± 15	125	No
VCAN16A2-03G		SOT-323	16	15.5	0.05	5	140	2	± 30	175	Yes
VCAN16A2-03S		SOT-23	16	16.7	0.05	5	145	2	± 30	150	Yes
VCAN24A2-HT5		DFN1110-3A	24	5	0.05	2.5	100	2	± 30	150	Yes
VCAN26A2-03G		SOT-323	26.5	10	0.05	3	150	2	± 30	175	Yes

Series	Product Image	Package (JEDEC®) Code	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	AEC-Q101 Qualified
VCAN26A2-03S		SOT-23	26.5	10	0.05	3	150	2	± 30	150	Yes
VCAN26B2-03G		SOT-323			0	0	100		± 30	-55 to +150	Yes
VCAN26C2-03G		SOT-323	26.5	7.6	0.05	2.5	110	2	±30	175	Yes
VCAN33A2-03G		SOT-323	33	8.4	0.05	2.5	140	2	± 30	175	Yes
VCAN33A2-03S		SOT-23	33	8.7	0.05	2.7	150	2	± 30	150	Yes
VCAN33C2-03G		SOT-323	33	6	0.05	2	120	2	± 30	175	Yes
VCAN36A2-03G		SOT-323	36	8	0.05	2.4	150	2	± 30	175	Yes
VCAN36A2-03S		SOT-23	36	8	0.05	2.4	150	2	± 30	150	Yes
VCAN36C2-03G		SOT-323	36	5.5	0.05	1.8	120	2	± 27	175	Yes
VCUT03B1-DD1		LLP1006-2M	3.5	12.5	0.1	3.5	40	1	± 18	125	No
VCUT03G1-SD0		CLP0603-2L	3.3	13	0.1	6	78	1	± 30	150	No
VCUT0505B-HD1		LLP1006-2L	5	18	0.1	3.5	56	1	± 20	125	No
VCUT05B1-DD1		LLP1006-2M	5.5	10	0.1	3	38	1	± 30	145	No
VCUT05G1-SD0		CLP0603-2L	5.5	13	0.1	6	78	1	± 30	150	No
VCUT0714A-HD1		LLP1006-2L	14	8	0.1	5	63	1	± 25	125	No
VCUT0714A02V		SOD-523	14	8	0.1	4.6	70	1	± 25	150	Yes
VCUT0714BHD1		DFN1006-2A	14	8	0.1	3.6	50	1	± 25	150	Yes
VCUT07B1-HD1		LLP1006-2L	7	14	0.1	4	60	1	± 30	125	No
VCUT10G1-SD0		CLP0603-2L	10	7.7	50	4	72	1	± 24	150	No
VCUT15G1-SD0		CLP0603-2L	15	5.5	50	2.5	65	1	± 15	150	No
VESD01A2-03G to VESD33A2-03G		SOT-323	1	192	100	11	70	2	30	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	16	27	0.1	3.6	100	1	30	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	12	33	0.1	4.4	100	1	30	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	8	47	0.1	6.6	100	1	30	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	5	67	0.1	8.7	100	1	30	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	3	112	20	11.6	100	1	30	150	Yes

Series	Product Image	Package (JEDEC®) Code	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	AEC-Q101 Qualified
VESD01C1-02V to VESD33C1-02V		SOD-523	1	192	100	11	70	1	30	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	33	15	0.1	1.6	100	1	15	150	Yes
VESD01C1-02V to VESD33C1-02V		SOD-523	26	17.5	0.1	2.1	100	1	20	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	8	47	0.1	6.6	100	1	30	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	5	67	0.1	8.7	100	1	30	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	3	112	20	11.6	100	1	30	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	33	15	0.1	1.6	100	1	15	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	1	192	100	11	100	1	30	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	26	17.5	0.1	2.1	100	1	20	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	16	27	0.1	3.6	100	1	30	150	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	12	33	0.1	4.4	100	1	30	150	Yes
VESD03A1B-HD1		LLP1006-2L	3.3	25	0.5	3.5	31	1	± 30	125	No
VESD03A1C-HD1		LLP1006-2L	3.3	78	1	9.5	95	1	± 30	125	No
VESD05A1-02V (-G3-08 / HG3-08)		SOD-523	5	130	1	16	192	1	± 30	150	Yes
VESD05A1A-HD1		LLP1006-2L	5	130	1	16	192	1	± 30	125	No
VESD05A1B-HD1		LLP1006-2L	5	19	0.1	3	33	1	± 30	125	No
VESD05A1C-HD1		LLP1006-2L	5	63	0.2	8	80	1	± 30	125	No
VESD05A5A-HSF		LLP75-6L	5	13	0.1	2.5	33	5	± 15	125	No
VESD05A6-HAF		LLP75-7L	5	40	1	5	60	6	± 30	125	No










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VESD05A6A-HAF		LLP75-7L	5	13	0.1	2.5	33	6	± 15	125	No
VESD05A8A-HNH		LLP1713-9L	5	30	1	5	65	8	± 25	125	No
VESD05A8B-HNH		LLP1713-9L	5	20	0.5	4	52	8	± 17	125	No
VESD05A8C-HNH		LLP1713-9L	0	10	0.1	2.5	33	8	± 8	125	No
VESD05B1-02V		SOD-523	5	19	0.1	3.5	40	1	± 30	150	Yes
VESD09A4A-HSF		LLP75-6L	9	6.2	0.1	1.5	30	1	± 8	125	No
VESD12A1A-HD1		LLP1006-2L	12	54	0.1	8	200	1	± 30	125	No
VESD12A1C-HD1		LLP1006-2L	12	30	0.1	4	92	1	± 30	125	No
VESD15A1-HD1		LLP1006-2L	15	45	0.1	6	150	1	± 30	125	No
VESD33A2-03S											
VLIN1616-02G		SOD-323	16	18	0.05	6	200	1	± 30	150	Yes
VLIN1626-02G		SOD-323	16	15.5	0.05	6	200	1	± 30	150	Yes
VLIN2626-02G		SOD-323	26.5	13.5	0.05	4	200	1	± 30	150	Yes
VLIN26A1-03G		SOT-323	26.5	10	0.05	3	150	1	± 30	175	Yes
VLIN3333-02G		SOD-323	33	11	0.05	3.5	200	1	± 30	150	Yes
VMMBZ16C1DD1 to VMMBZ33C1DD1		DFN1006-2B	28	8	10	1.7	100	1	15	150	Yes
VMMBZ16C1DD1 to VMMBZ33C1DD1		DFN1006-2B	14	14.5	10	4	108	1	30	150	Yes
VMMBZ16C1HD1 to VMMBZ33C1HD1		DFN1006-2A	28	16.1	10	1.7	100	1	15	150	Yes
VMMBZ16C1HD1 to VMMBZ33C1HD1		DFN1006-2A	14	29	10	4	108	1	30	150	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - EMI-FILTER

Part Number	Product Image	Package (JEDEC®) Code	V_{RWM} (V)	I_R at V_{RWM} (μA)	V_{BR} at $I_R = 1$ mA (V)	f_{3dB} Cut-off Frequency (MHz)	R_8 Line Resistance (Ω)	C_{IN} at $V_R = 0$ V; $V_{AC} < 100$ mV; $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VEMI256A-SD2		CLP1007-5M	5.5	0.5	6	60	60	116	± 25	2	No
VEMI353A-HAF		LLP75-7L	5	1.0	6	100	30	60	± 30	3	No
VEMI355A-HAF		LLP75-7L	5	1.0	6	100	50	60	± 30	3	No
VEMI35AA-HAF		LLP75-7L	5	1.0	6	100	100	60	± 30	3	No
VEMI45AA-HNH		LLP1713-9L	5	1.0	6	100	100	60	± 30	4	No
VEMI45AB-HNH		LLP1713-9L	5	1.0	6	130	100	40	± 18	4	No
VEMI45AC-HNH		LLP1713-9L	5	1.0	6	240	100	20	± 10	4	No
VEMI65AA-HCI		LLP2513-13L	5	1.0	6	100	100	60	± 30	6	No
VEMI65AB-HCI		LLP2513-13L	5	1.0	6	130	100	40	± 18	6	No
VEMI65AC-HCI		LLP2513-13L	5	1.0	6	240	100	20	± 10	6	No
VEMI85AA-HGK		LLP3313-17L	5	1.0	6	100	100	60	± 30	8	No
VEMI85AB-HGK		LLP3313-17L	5	1.0	6	130	100	40	± 18	8	No
VEMI85AC-HGK		LLP3313-17L	5	1.0	6	240	100	20	± 10	8	No

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
BZX84-Series		SOT-23								Yes
BZX884L Series		DFN1006-2A						0	Zener	Yes
DZ23-G Series		SOT-23								Yes
DZ23-Series		SOT-23						0	Zener	Yes
GDZ-G-Series		SOD-323								Yes
GDZ-Series		SOD-323						0	Zener	Yes
MMBZ27VDA		SOT-23	40	Uni-directional, bi-directional	27.0	22.0	22.0	150	Zener	Yes
MMBZ27VDA-G		SOT-23								Yes
MMSZ4681 to MMSZ4717		SOD-123								Yes
MMSZ4681-G to MMSZ4717-G		SOD-123								Yes
MMSZ5225 to MMSZ5267		SOD-123								Yes
MMSZ5225-G to MMSZ5267-G		SOD-123								Yes
MSP3V3, MSP5.0A		MicroSMP (DO-219AD)	150	Unidirectional	4.1	3.3	5.0	150	TRANSZORB® TVS	Yes
P4KE6.8A thru P4KE540A		DO-41 (DO-204AL)	400	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes
P4SMA Series		SMA (DO-214AC)	400	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
P6KE6.8A thru P6KE540A		DO-15 (DO-204AC)	600	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes
P6SMB Series		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
PLZ Series		MicroSMF (DO-219AC)								Yes
SA5.0A thru SA170CA		DO-15 (DO-204AC)	500	Unidirectional, bidirectional	6.4	5.0	170.0	175	TRANSZORB® TVS	Yes
SM15T Series		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.8	5.8	188.0	150	TRANSZORB® TVS	Yes
SM5A27		DO-218AB	3600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM5A27T		DO-218AC	3600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM5S10A thru SM5S36A		DO-218AB	3600	Unidirectional	11.1	10.0	36.0	175	PAR® TVS	Yes
SM5S10AT thru SM5S43AT		DO-218AC	3600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM6A27		DO-218AB	4600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SM6A27T		DO-218AC	4600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM6S10A thru SM6S36A		DO-218AB	4600	Unidirectional	11.1	10.0	36.0	175	PAR® TVS	Yes
SM6S10AT thru SM6S43AT		DO-218AC	4600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM6T Series		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.8	5.8	188.0	150	TRANSZORB® TVS	Yes
SM8A27		DO-218AB	6600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM8A27T		DO-218AC	6600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM8S10A thru SM8S43A		DO-218AB	6600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM8S10AT thru SM8S43AT		DO-218AC	6600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SMA5J5.0A thru SMA5J40CA		SMA (DO-214AC)	500	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	Yes
SMAJ5.0A thru SMAJ188CA		SMA (DO-214AC)	400	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMAJ530, SMAJ550		SMA (DO-214AC)	300	Unidirectional	530.0	477.0	495.0	150	TRANSZORB® TVS	Yes
SMB10(8)J5.0(C)A thru SMB10(8)J40(C)A		SMB (DO-214AA)	1000	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	Yes
SMBG5.0A thru SMBG188CA		SMBG (DO-215AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMBJ3V3		SMB (DO-214AA)	600	Unidirectional	4.1	3.3	3.3	175	TRANSZORB® TVS	Yes
SMBJ5.0A thru SMBJ188A		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMC3K10CAHM3_A thru SMC3K120CAHM3_A		SMC (DO-214AB)	3000	Bidirectional	11.1	10.0	120.0	175	TRANSZORB® TVS	Yes
SMC5K10A thru SMC5K85A		SMC (DO-214AB)	5000	Unidirectional	11.1	10.0	85.0	150	TRANSZORB® TVS	Yes
SMCG5.0A thru SMCG188CA		SMCG (DO-215AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMCJ5.0A thru SMCJ188CA		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SML4738 to SML4764A		SMA (DO-214AC)						0	Zener	Yes
SMPC5.0A thru SMPC36A, SMPC22AN thru SMPC85AN		SMPC (TO-277A)	1500	Unidirectional	6.4	5.0	85.0	150	TRANSZORB® TVS	Yes
T4F10A thru T4F51A		SMF (DO-219AB)	400	Unidirectional	10.0	8.55	43.6	185	PAR® TVS	Yes
TA6F6.8A thru TA6F51A		SlimSMA (DO-221AC)	600	Unidirectional	6.45	5.8	43.6	185	PAR® TVS	Yes

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
TA6L6.8A thru TA6L51A		SlimSMAW (DO-221AD)	600	Unidirectional	6.8	5.8	43.6	185	PAR® TVS	Yes
TMPG06-10A thru TMPG06-43A		MPG06	400	Unidirectional	10.0	8.55	36.8	185	PAR® TVS	Yes
TPC11CA thru TPC36CA		SMPC (TO-277A)	1500	Bidirectional	11.0	9.4	30.8	185	PAR® TVS	Yes
TPC6.8A thru TPC51A		SMPC (TO-277A)	1500	Unidirectional	6.8	5.8	43.6	185	PAR® TVS	Yes
TPSMA6.8A thru TPSMA43A		SMA (DO-214AC)	400	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes
TPSMB6.8A thru TPSMB43A		SMB (DO-214AA)	600	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes
TPSMC6.8A thru TPSMC47A		SMC (DO-214AB)	1500	Unidirectional	6.8	5.8	40.2	185	PAR® TVS	Yes
TPSMP6.8A thru TPSMP43A		SMP (DO-220AA)	400	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes
VTVS3V3ASMF to VTVS63GSMF		SMF (DO-219AB)	400	Unidirectional	6.4	3.3	63.0	175	TRANSZORB® TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - AEC-Q101 QUALIFIED PRODUCTS - ESD

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μ A)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
GSOT03		SOT-23	3.3	100.0	4	30.0	369	420	± 30	1	Yes
GSOT03C		SOT-23	3.3	100.0	4.0	30.0	369	420	± 30	2	Yes
GSOT04		SOT-23	4	20.0	5	30.0	429	310	± 30	1	Yes
GSOT04C		SOT-23	4	20.0	5	30.0	429	310	± 30	2	Yes
GSOT05		SOT-23	5	10.0	6	30.0	480	260	± 30	1	Yes
GSOT05C		SOT-23	5	10.0	6	30.0	480	260	± 30	2	Yes
GSOT08		SOT-23	8	5.0	9	18.0	345	160	± 30	1	Yes
GSOT08C		SOT-23	8	5.0	9	18.0	345	160	± 30	2	Yes
GSOT12		SOT-23	12	1.0	13.5	12.0	312	115	± 30	1	Yes
GSOT12C		SOT-23	12	1.0	13.5	12.0	312	115	± 30	2	Yes
GSOT15		SOT-23	15	1.0	16.5	8.0	230	90	± 30	1	Yes
GSOT15C		SOT-23	15	1.0	16.5	8.0	345	90	± 30	2	Yes
GSOT24		SOT-23	24	1.0	27	5.0	235	65	± 30	1	Yes
GSOT24C		SOT-23	24	1.0	27	5.0	235	65	± 30	2	Yes
GSOT36		SOT-23	36	1.0	39	3.5	248	52	± 30	1	Yes
GSOT36C		SOT-23	36	1.0	39	3.5	248	52	± 30	2	Yes
SMF10A		SMF (DO-219AB)	10	0.1	11.1 12.3	11.8	1000	562	± 30	1	Yes
SMF11A		SMF (DO-219AB)	11	0.1	12.2 13.5	11.0	1000	509	± 30	1	Yes
SMF12A		SMF (DO-219AB)	12	0.1	13.3 14.7	10.1	1000	483	± 30	1	Yes
SMF13A		SMF (DO-219AB)	13	0.1	14.4 16	9.3	1000	423	± 30	1	Yes

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μ A)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
SMF14A		SMF (DO-219AB)	14	0.1	15.6 17.3	8.6	1000	392	± 30	1	Yes
SMF15A		SMF (DO-219AB)	15	0.1	16.7 18.5	8.2	1000	367	± 30	1	Yes
SMF16A		SMF (DO-219AB)	16	0.1	17.8 19.7	7.7	1000	343	± 30	1	Yes
SMF17A		SMF (DO-219AB)	17	0.1	18.9 20.9	7.2	1000	324	± 30	1	Yes
SMF18A		SMF (DO-219AB)	18	0.1	20 22.3	6.8	1000	320	± 30	1	Yes
SMF20A		SMF (DO-219AB)	20	0.1	22.2 24.6	6.2	1000	283	± 30	1	Yes
SMF22A		SMF (DO-219AB)	22	0.1	24.4 27	5.6	1000	271	± 30	1	Yes
SMF24A		SMF (DO-219AB)	24	0.1	26.7 29.6	5.1	1000	244	± 30	1	Yes
SMF26A		SMF (DO-219AB)	26	0.1	28.9 32	4.8	1000	230	± 30	1	Yes
SMF28A		SMF (DO-219AB)	28	0.1	31.1 34.4	4.4	1000	227	± 30	1	Yes
SMF30A		SMF (DO-219AB)	30	0.1	33.3 36.9	4.1	1000	207	± 30	1	Yes
SMF33A		SMF (DO-219AB)	33	0.1	36.7 40.6	3.8	1000	198	± 30	1	Yes
SMF36A		SMF (DO-219AB)	36	0.1	40 44.3	3.4	1000	178	± 30	1	Yes
SMF40A		SMF (DO-219AB)	40	0.1	44.4 49.1	3.1	1000	172	± 30	1	Yes
SMF43A		SMF (DO-219AB)	43	0.1	47.8 52.9	2.9	1000	165	± 30	1	Yes
SMF45A		SMF (DO-219AB)	45	0.1	50 55.3	2.8	1000	162	± 30	1	Yes
SMF48A		SMF (DO-219AB)	48	0.1	53.3 59	2.6	1000	161	± 30	1	Yes
SMF51A		SMF (DO-219AB)	51	0.1	56.7 62.7	2.4	1000	151	± 30	1	Yes
SMF54A		SMF (DO-219AB)	54	0.1	60 66	2.25	1000	148	± 30	1	Yes
SMF58A		SMF (DO-219AB)	58	0.1	64.4 70.8	2.1	1000	144	± 30	1	Yes
SMF5V0A		SMF (DO-219AB)	5	5.0	6.40 7.1	21.7	1000	1120	± 30	1	Yes
SMF6V0A		SMF (DO-219AB)	6	26.0	6.67 7.4	19.4	1000	1063	± 30	1	Yes
SMF6V5A		SMF (DO-219AB)	6.5	20.0	7.22 8	17.9	1000	938	± 30	1	Yes
SMF7V0A		SMF (DO-219AB)	7	3.0	7.78 8.6	16.7	1000	843	± 30	1	Yes

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μ A)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
SMF7V5A		SMF (DO-219AB)	7.5	0.1	8.33 9.3	15.5	1000	773	± 30	1	Yes
SMF8V0A		SMF (DO-219AB)	8	0.1	8.89 9.9	14.7	1000	706	± 30	1	Yes
SMF8V5A		SMF (DO-219AB)	8.5	0.1	9.44 10.5	13.9	1000	674	± 30	1	Yes
SMF9V0A		SMF (DO-219AB)	9	0.1	10 11.2	13.5	1000	640	± 30	1	Yes
VBUS03N1-DD1		DFN1006-2B	3.3	0.1	7	4.0	90	0.36	± 16	1	Yes
VBUS03N1-HD1		DFN1006-2A	3.3	0.1	7.0	4.0	60	0.7	± 16	1	Yes
VBUS05M1-02V		SOD-523	5.5	0.1	6.5	4.5	70	0.7	± 18	1	Yes
VBUS05M2-HT5		DFN1110-3A	5.5	0.1	7.5	3.4	60	0.37	± 20	2	Yes
VBUS05N1-DD1		DFN1006-2B	5.5	0.1	7	4.0	90	0.36	± 16	1	Yes
VBUS05N1-HD1		DFN1006-2A	5.5	0.1	7.0	4.0	60	0.7	± 16	1	Yes
VCAN16A2-03G		SOT-323	16	0.05	17.1	5.0	140	15.5	± 30	2	Yes
VCAN16A2-03S		SOT-23	16	0.05	17.1	5.0	145	16.7	± 30	2	Yes
VCAN24A2-HT5		DFN1110-3A	24	0.05	26.5	2.5	100	5	± 30	2	Yes
VCAN26A2-03G		SOT-323	26.5	0.05	28	3.0	150	10	± 30	2	Yes
VCAN26A2-03S		SOT-23	26.5	0.05	28	3.0	150	10	± 30	2	Yes
VCAN26B2-03G		SOT-323		0.0		0.0	100		± 30		Yes
VCAN26C2-03G		SOT-323	26.5	0.05	28	2.5	110	7.6	± 30	2	Yes
VCAN33A2-03G		SOT-323	33	0.05	36	2.5	140	8.4	± 30	2	Yes
VCAN33A2-03S		SOT-23	33	0.05	36	2.7	150	8.7	± 30	2	Yes
VCAN33C2-03G		SOT-323	33	0.05	36	2.0	120	6	± 30	2	Yes
VCAN36A2-03G		SOT-323	36	0.05	39	2.4	150	8	± 30	2	Yes
VCAN36A2-03S		SOT-23	36	0.05	39	2.4	150	8	± 30	2	Yes
VCAN36C2-03G		SOT-323	36	0.05	39	1.8	120	5.5	± 27	2	Yes
VCUT0714A02V		SOD-523	14	0.1	14.5	4.6	70	8	± 25	1	Yes
VCUT0714BHD1		DFN1006-2A	14	0.1	14.5	3.6	50	8	± 25	1	Yes
VESD01A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD01C1-02V		SOD-523	1	100.0	1.5	11.0	70	192	30	1	Yes
VESD01C1-HD1		DFN1006-2A	1	100.0	2.55	11.0	100	192	30	1	Yes
VESD03A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD03C1-02V		SOD-523	3	20.0	4.4	11.6	100	112	30	1	Yes

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μ A)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VESD03C1-HD1		DFN1006-2A	3	20.0	4.45	11.6	100	112	30	1	Yes
VESD05A1-02V (-G3-		SOD-523	5	1.0	6	16.0	192	130	± 30	1	Yes
VESD05A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD05B1-02V		SOD-523	5	0.1	6	3.5	40	19	± 30	1	Yes
VESD05C1-02V		SOD-523	5	0.1	6.85	8.7	100	67	30	1	Yes
VESD05C1-HD1		DFN1006-2A	5	0.1	7.1	8.7	100	67	30	1	Yes
VESD08A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD08C1-02V		SOD-523	8	0.1	9.5	6.6	100	47	30	1	Yes
VESD08C1-HD1		DFN1006-2A	8	0.1	9.4	6.6	100	47	30	1	Yes
VESD12A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD12C1-02V		SOD-523	12	0.1	13.9	4.4	100	33	30	1	Yes
VESD12C1-HD1		DFN1006-2A	12	0.1	14.3	4.4	100	33	30	1	Yes
VESD16A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD16C1-02V		SOD-523	16	0.1	17	3.6	100	27	30	1	Yes
VESD16C1-HD1		DFN1006-2A	16	0.1	17.1	3.6	100	27	30	1	Yes
VESD26A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD26C1-02V		SOD-523	26	0.1	27.6	2.1	100	17.5	20	1	Yes
VESD26C1-HD1		DFN1006-2A	26	0.1	28.5	2.1	100	17.5	20	1	Yes
VESD33A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD33A2-03S											
VESD33C1-02V		SOD-523	33	0.1	35.5	1.6	100	15	15	1	Yes
VESD33C1-HD1		DFN1006-2A	33	0.1	37	1.6	100	15	15	1	Yes
VLIN1616-02G		SOD-323	16	0.05	17.1	6.0	200	18	± 30	1	Yes
VLIN1626-02G		SOD-323	16	0.05	17.1	6.0	200	15.5	± 30	1	Yes
VLIN2626-02G		SOD-323	26.5	0.05	28	4.0	200	13.5	± 30	1	Yes
VLIN26A1-03G		SOT-323	26.5	0.05	28	3.0	150	10	± 30	1	Yes
VLIN3333-02G		SOD-323	33	0.05	36	3.5	200	11	± 30	1	Yes
VMMBZ16C1DD1		DFN1006-2B	14	10.0	16.2	4.0	108	14.5	30	1	Yes
VMMBZ16C1HD1		DFN1006-2A	14	10.0	15.2	4.0	108	29	30	1	Yes
VMMBZ33C1DD1		DFN1006-2B	28	10.0	32.7	1.7	100	8	15	1	Yes
VMMBZ33C1HD1		DFN1006-2A	28	10.0	31.3	1.7	100	16.1	15	1	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - VISHAY AUTOMOTIVE GRADE PRODUCTS - ESD

Part Number	Package (JEDEC®) Code	Vishay Automotive Grade
SMF10A-HE3-08	SMF (DO-219AB)	Yes
SMF10A-HE3-18	SMF (DO-219AB)	Yes
SMF10A-HM3-08	SMF (DO-219AB)	Yes
SMF10A-HM3-18	SMF (DO-219AB)	Yes
SMF11A-HE3-08	SMF (DO-219AB)	Yes
SMF11A-HE3-18	SMF (DO-219AB)	Yes
SMF11A-HM3-08	SMF (DO-219AB)	Yes
SMF11A-HM3-18	SMF (DO-219AB)	Yes
SMF12A-HE3-08	SMF (DO-219AB)	Yes
SMF12A-HE3-18	SMF (DO-219AB)	Yes
SMF12A-HM3-08	SMF (DO-219AB)	Yes
SMF12A-HM3-18	SMF (DO-219AB)	Yes
SMF13A-HE3-08	SMF (DO-219AB)	Yes
SMF13A-HE3-18	SMF (DO-219AB)	Yes
SMF13A-HM3-08	SMF (DO-219AB)	Yes
SMF13A-HM3-18	SMF (DO-219AB)	Yes
SMF14A-HE3-08	SMF (DO-219AB)	Yes
SMF14A-HE3-18	SMF (DO-219AB)	Yes
SMF14A-HM3-08	SMF (DO-219AB)	Yes
SMF14A-HM3-18	SMF (DO-219AB)	Yes
SMF15A-HE3-08	SMF (DO-219AB)	Yes
SMF15A-HE3-18	SMF (DO-219AB)	Yes
SMF15A-HM3-08	SMF (DO-219AB)	Yes
SMF15A-HM3-18	SMF (DO-219AB)	Yes
SMF16A-HE3-08	SMF (DO-219AB)	Yes
SMF16A-HE3-18	SMF (DO-219AB)	Yes
SMF16A-HM3-08	SMF (DO-219AB)	Yes
SMF16A-HM3-18	SMF (DO-219AB)	Yes
SMF17A-HE3-08	SMF (DO-219AB)	Yes
SMF17A-HE3-18	SMF (DO-219AB)	Yes
SMF17A-HM3-08	SMF (DO-219AB)	Yes
SMF17A-HM3-18	SMF (DO-219AB)	Yes
SMF18A-HE3-08	SMF (DO-219AB)	Yes
SMF18A-HE3-18	SMF (DO-219AB)	Yes
SMF18A-HM3-08	SMF (DO-219AB)	Yes
SMF18A-HM3-18	SMF (DO-219AB)	Yes
SMF20A-HE3-08	SMF (DO-219AB)	Yes

Part Number	Package (JEDEC®) Code	Vishay Automotive Grade
SMF20A-HE3-18	SMF (DO-219AB)	Yes
SMF20A-HM3-08	SMF (DO-219AB)	Yes
SMF20A-HM3-18	SMF (DO-219AB)	Yes
SMF22A-HE3-08	SMF (DO-219AB)	Yes
SMF22A-HE3-18	SMF (DO-219AB)	Yes
SMF22A-HM3-08	SMF (DO-219AB)	Yes
SMF22A-HM3-18	SMF (DO-219AB)	Yes
SMF24A-HE3-08	SMF (DO-219AB)	Yes
SMF24A-HE3-18	SMF (DO-219AB)	Yes
SMF24A-HM3-08	SMF (DO-219AB)	Yes
SMF24A-HM3-18	SMF (DO-219AB)	Yes
SMF26A-HE3-08	SMF (DO-219AB)	Yes
SMF26A-HE3-18	SMF (DO-219AB)	Yes
SMF26A-HM3-08	SMF (DO-219AB)	Yes
SMF26A-HM3-18	SMF (DO-219AB)	Yes
SMF28A-HE3-08	SMF (DO-219AB)	Yes
SMF28A-HE3-18	SMF (DO-219AB)	Yes
SMF28A-HM3-08	SMF (DO-219AB)	Yes
SMF28A-HM3-18	SMF (DO-219AB)	Yes
SMF30A-HE3-08	SMF (DO-219AB)	Yes
SMF30A-HE3-18	SMF (DO-219AB)	Yes
SMF30A-HM3-08	SMF (DO-219AB)	Yes
SMF30A-HM3-18	SMF (DO-219AB)	Yes
SMF33A-HE3-08	SMF (DO-219AB)	Yes
SMF33A-HE3-18	SMF (DO-219AB)	Yes
SMF33A-HM3-08	SMF (DO-219AB)	Yes
SMF33A-HM3-18	SMF (DO-219AB)	Yes
SMF36A-HE3-08	SMF (DO-219AB)	Yes
SMF36A-HE3-18	SMF (DO-219AB)	Yes
SMF36A-HM3-08	SMF (DO-219AB)	Yes
SMF36A-HM3-18	SMF (DO-219AB)	Yes
SMF40A-HE3-08	SMF (DO-219AB)	Yes
SMF40A-HE3-18	SMF (DO-219AB)	Yes
SMF40A-HM3-08	SMF (DO-219AB)	Yes
SMF40A-HM3-18	SMF (DO-219AB)	Yes
SMF43A-HE3-08	SMF (DO-219AB)	Yes
SMF43A-HE3-18	SMF (DO-219AB)	Yes
SMF43A-HM3-08	SMF (DO-219AB)	Yes
SMF43A-HM3-18	SMF (DO-219AB)	Yes
SMF45A-HE3-08	SMF (DO-219AB)	Yes
SMF45A-HE3-18	SMF (DO-219AB)	Yes

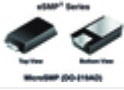





















Part Number	Package (JEDEC®) Code	Vishay Automotive Grade
SMF45A-HM3-08	SMF (DO-219AB)	Yes
SMF45A-HM3-18	SMF (DO-219AB)	Yes
SMF48A-HE3-08	SMF (DO-219AB)	Yes
SMF48A-HE3-18	SMF (DO-219AB)	Yes
SMF48A-HM3-08	SMF (DO-219AB)	Yes
SMF48A-HM3-18	SMF (DO-219AB)	Yes
SMF51A-HE3-08	SMF (DO-219AB)	Yes
SMF51A-HE3-18	SMF (DO-219AB)	Yes
SMF51A-HM3-08	SMF (DO-219AB)	Yes
SMF51A-HM3-18	SMF (DO-219AB)	Yes
SMF54A-HE3-08	SMF (DO-219AB)	Yes
SMF54A-HE3-18	SMF (DO-219AB)	Yes
SMF54A-HM3-08	SMF (DO-219AB)	Yes
SMF54A-HM3-18	SMF (DO-219AB)	Yes
SMF58A-HE3-08	SMF (DO-219AB)	Yes
SMF58A-HE3-18	SMF (DO-219AB)	Yes
SMF58A-HM3-08	SMF (DO-219AB)	Yes
SMF58A-HM3-18	SMF (DO-219AB)	Yes
SMF5V0A-HE3-08	SMF (DO-219AB)	Yes
SMF5V0A-HE3-18	SMF (DO-219AB)	Yes
SMF5V0A-HM3-08	SMF (DO-219AB)	Yes
SMF5V0A-HM3-18	SMF (DO-219AB)	Yes
SMF6V0A-HE3-08	SMF (DO-219AB)	Yes
SMF6V0A-HE3-18	SMF (DO-219AB)	Yes
SMF6V0A-HM3-08	SMF (DO-219AB)	Yes
SMF6V0A-HM3-18	SMF (DO-219AB)	Yes
SMF6V5A-HE3-08	SMF (DO-219AB)	Yes
SMF6V5A-HE3-18	SMF (DO-219AB)	Yes
SMF6V5A-HM3-08	SMF (DO-219AB)	Yes
SMF6V5A-HM3-18	SMF (DO-219AB)	Yes
SMF7V0A-HE3-08	SMF (DO-219AB)	Yes
SMF7V0A-HE3-18	SMF (DO-219AB)	Yes
SMF7V0A-HM3-08	SMF (DO-219AB)	Yes
SMF7V0A-HM3-18	SMF (DO-219AB)	Yes
SMF7V5A-HE3-08	SMF (DO-219AB)	Yes
SMF7V5A-HE3-18	SMF (DO-219AB)	Yes
SMF7V5A-HM3-08	SMF (DO-219AB)	Yes
SMF7V5A-HM3-18	SMF (DO-219AB)	Yes
SMF8V0A-HE3-08	SMF (DO-219AB)	Yes
SMF8V0A-HE3-18	SMF (DO-219AB)	Yes
SMF8V0A-HM3-08	SMF (DO-219AB)	Yes


























Part Number	Package (JEDEC®) Code	Vishay Automotive Grade
SMF8V0A-HM3-18	SMF (DO-219AB)	Yes
SMF8V5A-HE3-08	SMF (DO-219AB)	Yes
SMF8V5A-HE3-18	SMF (DO-219AB)	Yes
SMF8V5A-HM3-08	SMF (DO-219AB)	Yes
SMF8V5A-HM3-18	SMF (DO-219AB)	Yes
SMF9V0A-HE3-08	SMF (DO-219AB)	Yes
SMF9V0A-HE3-18	SMF (DO-219AB)	Yes
SMF9V0A-HM3-08	SMF (DO-219AB)	Yes
SMF9V0A-HM3-18	SMF (DO-219AB)	Yes
VTVS10ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS10ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS10GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS10GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS11ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS11ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS11GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS11GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS12ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS12ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS12GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS12GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS14ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS14ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS14GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS14GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS15ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS15ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS15GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS15GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS17ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS17ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS17GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS17GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS19ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS19ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS19GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS19GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS21ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS21ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS21GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS21GSMF-HM3-18	SMF (DO-219AB)	Yes


























Part Number	Package (JEDEC®) Code	Vishay Automotive Grade
VTVS23ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS23ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS23GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS23GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS25ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS25ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS25GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS25GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS28ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS28ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS28GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS28GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS31ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS31ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS31GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS31GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS33ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS33ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS33GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS33GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS36ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS36ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS36GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS36GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS40ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS40ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS40GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS40GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS43ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS43ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS43GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS43GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS47ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS47ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS47GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS47GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS52ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS52ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS52GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS52GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS58ASMF-HM3-08	SMF (DO-219AB)	Yes






















Part Number	Package (JEDEC®) Code	Vishay Automotive Grade
VTVS58ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS58GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS58GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS5V0ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS5V0ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS5V0GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS5V0GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS63ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS63ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS63GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS63GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS8V5ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS8V5ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS8V5GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS8V5GSMF-HM3-18	SMF (DO-219AB)	Yes
VTVS9V4ASMF-HM3-08	SMF (DO-219AB)	Yes
VTVS9V4ASMF-HM3-18	SMF (DO-219AB)	Yes
VTVS9V4GSMF-HM3-08	SMF (DO-219AB)	Yes
VTVS9V4GSMF-HM3-18	SMF (DO-219AB)	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - VISHAY AUTOMOTIVE GRADE PRODUCTS - TRANSZORB® TVS












Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
MSP3V3HM3/89A		MicroSMP (DO-219AD)	Yes
MSP5.0AHM3/89A		MicroSMP (DO-219AD)	Yes
VTVS10ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS10ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS10GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS10GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS11ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS11ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS11GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS11GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS12ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS12ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS12GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS12GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS14ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS14ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS14GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS14GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS15ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS15ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS15GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS15GSMF-HM3-18		SMF (DO-219AB)	Yes
























Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
VTVS17ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS17ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS17GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS17GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS19ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS19ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS19GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS19GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS21ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS21ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS21GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS21GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS23ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS23ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS23GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS23GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS25ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS25ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS25GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS25GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS28ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS28ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS28GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS28GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS31ASMF-HM3-08		SMF (DO-219AB)	Yes














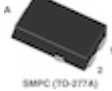
Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
VTVS31ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS31GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS31GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS33ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS33ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS33GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS33GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS36ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS36ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS36GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS36GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS40ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS40ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS40GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS40GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS43ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS43ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS43GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS43GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS47ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS47ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS47GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS47GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS52ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS52ASMF-HM3-18		SMF (DO-219AB)	Yes


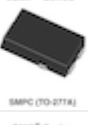

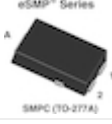










Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
VTVS52GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS52GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS58ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS58ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS58GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS58GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS5V0ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS5V0ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS5V0GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS5V0GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS63ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS63ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS63GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS63GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS8V5ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS8V5ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS8V5GSMF-HM3-08		SMF (DO-219AB)	Yes
VTVS8V5GSMF-HM3-18		SMF (DO-219AB)	Yes
VTVS9V4ASMF-HM3-08		SMF (DO-219AB)	Yes
VTVS9V4ASMF-HM3-18		SMF (DO-219AB)	Yes
VTVS9V4GSMF-HM3-08		SMF (DO-219AB)	Yes



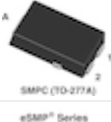











PROTECTION DIODES - TVS AND ESD PROTECTION - VISHAY AUTOMOTIVE GRADE PRODUCTS - PAR® TVS


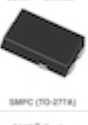












Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TA6F10AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F10AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F11AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F11AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F12AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F12AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F13AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F13AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F15AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F15AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F16AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F16AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F18AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F18AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F20AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F20AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F22AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F22AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F24AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F24AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F27AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F27AHM3_A/I		SlimSMA (DO-221AC)	Yes




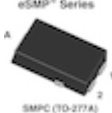

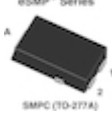
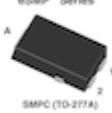
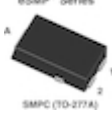






Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TA6F30AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F30AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F33AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F33AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F36AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F36AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F39AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F39AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F43AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F43AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F47AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F47AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F51AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F51AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F6.8AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F6.8AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F7.5AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F7.5AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F8.2AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F8.2AHM3_A/I		SlimSMA (DO-221AC)	Yes
TA6F9.1AHM3_A/H		SlimSMA (DO-221AC)	Yes
TA6F9.1AHM3_A/I		SlimSMA (DO-221AC)	Yes
TPC10AHM3_A/H		SMPC (TO-277A)	Yes















Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPC10AHM3_A/I		SMPC (TO-277A)	Yes
TPC11AHM3_A/H		SMPC (TO-277A)	Yes
TPC11AHM3_A/I		SMPC (TO-277A)	Yes
TPC11CAHM3/H		SMPC (TO-277A)	Yes
TPC11CAHM3/I		SMPC (TO-277A)	Yes
TPC12AHM3_A/H		SMPC (TO-277A)	Yes
TPC12AHM3_A/I		SMPC (TO-277A)	Yes
TPC12CAHM3/H		SMPC (TO-277A)	Yes
TPC12CAHM3/I		SMPC (TO-277A)	Yes
TPC13AHM3_A/H		SMPC (TO-277A)	Yes
TPC13AHM3_A/I		SMPC (TO-277A)	Yes
TPC13CAHM3/H		SMPC (TO-277A)	Yes
TPC13CAHM3/I		SMPC (TO-277A)	Yes
TPC15AHM3_A/H		SMPC (TO-277A)	Yes















Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPC15AHM3_A/I		SMPC (TO-277A)	Yes
TPC15CAHM3/H		SMPC (TO-277A)	Yes
TPC15CAHM3/I		SMPC (TO-277A)	Yes
TPC16AHM3_A/H		SMPC (TO-277A)	Yes
TPC16AHM3_A/I		SMPC (TO-277A)	Yes
TPC16CAHM3/H		SMPC (TO-277A)	Yes
TPC16CAHM3/I		SMPC (TO-277A)	Yes
TPC18AHM3_A/H		SMPC (TO-277A)	Yes
TPC18AHM3_A/I		SMPC (TO-277A)	Yes
TPC18CAHM3/H		SMPC (TO-277A)	Yes
TPC18CAHM3/I		SMPC (TO-277A)	Yes
TPC20AHM3_A/H		SMPC (TO-277A)	Yes
TPC20AHM3_A/I		SMPC (TO-277A)	Yes
TPC20CAHM3/H		SMPC (TO-277A)	Yes












Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPC20CAHM3/I	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC22AHM3_A/H	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC22AHM3_A/I	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC22CAHM3/H	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC22CAHM3/I	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC24AHM3_A/H	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC24AHM3_A/I	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC24CAHM3/H	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC24CAHM3/I	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC27AHM3_A/H	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC27AHM3_A/I	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC27CAHM3/H	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC27CAHM3/I	 <p>eSMP® Series SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes
TPC30AHM3_A/H	 <p>eSMP® Series A SMPC (TO-277A)</p>	SMPC (TO-277A)	Yes

Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPC30AHM3_A/I		SMPC (TO-277A)	Yes
TPC30CAHM3/H		SMPC (TO-277A)	Yes
TPC30CAHM3/I		SMPC (TO-277A)	Yes
TPC33AHM3_A/H		SMPC (TO-277A)	Yes
TPC33AHM3_A/I		SMPC (TO-277A)	Yes
TPC33CAHM3/H		SMPC (TO-277A)	Yes
TPC33CAHM3/I		SMPC (TO-277A)	Yes
TPC36AHM3_A/H		SMPC (TO-277A)	Yes
TPC36AHM3_A/I		SMPC (TO-277A)	Yes
TPC36CAHM3/H		SMPC (TO-277A)	Yes
TPC36CAHM3/I		SMPC (TO-277A)	Yes
TPC39AHM3_A/H		SMPC (TO-277A)	Yes
TPC39AHM3_A/I		SMPC (TO-277A)	Yes
TPC43AHM3_A/H		SMPC (TO-277A)	Yes



Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPC43AHM3_A/I		SMPC (TO-277A)	Yes
TPC47AHM3_A/H		SMPC (TO-277A)	Yes
TPC47AHM3_A/I		SMPC (TO-277A)	Yes
TPC51AHM3_A/H		SMPC (TO-277A)	Yes
TPC51AHM3_A/I		SMPC (TO-277A)	Yes
TPC6.8AHM3_A/H		SMPC (TO-277A)	Yes
TPC6.8AHM3_A/I		SMPC (TO-277A)	Yes
TPC7.5AHM3_A/H		SMPC (TO-277A)	Yes
TPC7.5AHM3_A/I		SMPC (TO-277A)	Yes
TPC8.2AHM3_A/H		SMPC (TO-277A)	Yes
TPC8.2AHM3_A/I		SMPC (TO-277A)	Yes
TPC9.1AHM3_A/H		SMPC (TO-277A)	Yes
TPC9.1AHM3_A/I		SMPC (TO-277A)	Yes
TPSMP10AHM3_A/H		SMP (DO-220AA)	Yes

Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPSMP10AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP11AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP11AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP12AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP12AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP13AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP13AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP15AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP15AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP16AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP16AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP18AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP18AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP20AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes



Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPSMP20AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP22AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP22AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP24AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP24AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP27AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP27AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP30AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP30AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP33AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP33AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP36AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP36AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP39AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes

Part Number	Product Image	Package (JEDEC®) Code	Vishay Automotive Grade
TPSMP39AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP43AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP43AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP6.8AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP6.8AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP7.5AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP7.5AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP8.2AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP8.2AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP9.1AHM3_A/H	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes
TPSMP9.1AHM3_A/I	 <p>eSMP® Series SMP (DO-220AA)</p>	SMP (DO-220AA)	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - MICROSMP (DO-219AD)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
MSMP6.0A thru MSMP20A		MicroSMP (DO-219AD)	150	Unidirectional	6.67	6.0	20.0	150	TRANSZORB® TVS	No
MSP3V3, MSP5.0A		MicroSMP (DO-219AD)	150	Unidirectional	4.1	3.3	5.0	150	TRANSZORB® TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - SLIMSMA (DO-221AC)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SMA6F5.0A thru SMA6F130A		SlimSMA (DO-221AC)	600	Unidirectional	6.4	5.0	130.0	175	TRANSZORB® TVS	No
TA6F6.8A thru TA6F51A		SlimSMA (DO-221AC)	600	Unidirectional	6.45	5.8	43.6	185	PAR® TVS	Yes

Surface Mount PAR[®] Transient Voltage Suppressors

High Temperature Stability and High Reliability Conditions

eSMP[®] Series



Top View

Bottom View

SlimSAW (DO-221AD)

Cathode Anode

FEATURES

- Low-profile package
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Junction passivation optimized design passivated anisotropic rectifier technology
- $T_J = 185\text{ °C}$ capability suitable for high reliability and automotive requirement
- Unidirectional only
- Excellent clamping capability
- Peak pulse power: 600 W (10 μs /1000 μs)
- AEC-Q101 qualified available, HM3 suffix meets JESD 201 class 2 whisker test
- Compatible to SOD-128 package case outline



RoHS
COMPLIANT
HALOGEN
FREE

LINKS TO ADDITIONAL RESOURCES



PRIMARY CHARACTERISTICS	
V_{BR}	6.8 V to 51 V
V_{WM}	5.8 V to 43.6 V
P_{PPM} (10 x 1000 μs)	600 W
T_J max.	185 °C
Polarity	Unidirectional
Package	SlimSAW (DO-221AD)
Circuit configuration	Single

TYPICAL APPLICATIONS

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for automotive.

MECHANICAL DATA

Case: SlimSAW (DO-221AD)

Molding compound meets UL 94 V-0 flammability rating
Base P/NHM3 - halogen-free, RoHS-compliant, and AEC-Q101 qualified

Terminals: matte tin plated leads, solderable per J-STD-002 and JESD 22-B102

Polarity: color band denotes cathode end

MAXIMUM RATINGS ($T_A = 25\text{ °C}$, unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power dissipation with a 10 μs /1000 μs waveform (fig. 1) ⁽¹⁾	P_{PPM}	600	W
Peak pulse current with a 10 μs /1000 μs waveform (fig. 3) ⁽¹⁾	I_{PPM}	See table next page	A
Operating junction and storage temperature range	T_J, T_{STG}	-65 to +185	°C

Note

⁽¹⁾ Non-repetitive current pulse, per fig. 3 and derated above $T_A = 25\text{ °C}$ per fig. 2



ELECTRICAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$, unless otherwise noted)											
DEVICE TYPE	DEVICE MARKING CODE	BREAKDOWN VOLTAGE $V_{BR}^{(1)}$ AT I_T (V)			TEST CURRENT I_T (mA)	STAND-OFF VOLTAGE V_{WM} (V)	MAXIMUM REVERSE LEAKAGE AT V_{WM} I_R (μA)	MAXIMUM REVERSE LEAKAGE AT V_{WM} $T_J = 150\text{ }^\circ\text{C}$ I_D (μA)	MAXIMUM PEAK PULSE SURGE CURRENT $I_{PPM}^{(2)}$ (A)	MAXIMUM CLAMPING VOLTAGE AT I_{PPM} V_C (V)	TYPICAL TEMP. COEFFICIENT OF $V_{BR}^{(3)}$ α_T ($\%/^\circ\text{C}$)
		MIN.	NOM.	MAX.							
TA6L6.8A	AEL	6.45	6.80	7.14	10	5.80	500	1000	57.1	10.5	0.047
TA6L7.5A	AGL	7.13	7.50	7.88	10	6.40	250	500	53.1	11.3	0.052
TA6L8.2A	AKL	7.79	8.20	8.61	10	7.02	100	200	49.6	12.1	0.056
TA6L9.1A	AML	8.65	9.10	9.55	1.0	7.78	25	50	44.8	13.4	0.060
TA6L10A	APL	9.5	10.0	10.5	1.0	8.55	5.0	20	41.4	14.5	0.064
TA6L11A	ARL	10.5	11.0	11.6	1.0	9.40	2.0	5.0	38.5	15.6	0.067
TA6L12A	ATL	11.4	12.0	12.6	1.0	10.2	2.0	5.0	35.9	16.7	0.070
TA6L13A	AVL	12.4	13.0	13.7	1.0	11.1	2.0	5.0	33.0	18.2	0.072
TA6L15A	AXL	14.3	15.0	15.8	1.0	12.8	1.0	5.0	28.3	21.2	0.076
TA6L16A	AZL	15.2	16.0	16.8	1.0	13.6	1.0	5.0	26.7	22.5	0.078
TA6L18A	BEL	17.1	18.0	18.9	1.0	15.3	1.0	5.0	23.5	25.5	0.080
TA6L20A	BGL	19.0	20.0	21.0	1.0	17.1	1.0	5.0	21.7	27.7	0.082
TA6L22A	BKL	20.9	22.0	23.1	1.0	18.8	1.0	5.0	19.6	30.6	0.084
TA6L24A	BML	22.8	24.0	25.2	1.0	20.5	1.0	5.0	18.1	33.2	0.085
TA6L27A	BPL	25.7	27.0	28.4	1.0	23.1	1.0	5.0	16.0	37.5	0.087
TA6L30A	BRL	28.5	30.0	31.5	1.0	25.6	1.0	5.0	14.5	41.4	0.088
TA6L33A	BTL	31.4	33.0	34.7	1.0	28.2	1.0	5.0	13.1	45.7	0.089
TA6L36A	BVL	34.2	36.0	37.8	1.0	30.8	1.0	5.0	12.0	49.9	0.090
TA6L39A	BXL	37.1	39.0	41.0	1.0	33.3	1.0	5.0	11.1	53.9	0.091
TA6L43A	BZL	40.9	43.0	45.2	1.0	36.8	1.0	5.0	10.1	59.3	0.092
TA6L47A	CEL	44.7	47.0	49.4	1.0	40.2	1.0	5.0	9.3	64.8	0.092
TA6L51A	CGL	48.5	51.0	53.6	1.0	43.6	1.0	5.0	8.6	70.1	0.093

Notes

- (1) Pulse test: $t_p \leq 50\text{ ms}$
- (2) Surge current waveform per fig. 3 and derated per fig. 2
- (3) To calculate V_{BR} vs. junction temperature, use the following formula: V_{BR} at $T_J = V_{BR}$ at $25\text{ }^\circ\text{C} \times (1 + \alpha_T \times (T_J - 25))$
- (4) All terms and symbols are consistent with ANSI/IEEE C62.35

THERMAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)				
PARAMETER	SYMBOL	TYP.	MAX.	UNIT
Thermal resistance	$R_{\theta JA}^{(1)}$	120	150	$^\circ\text{C/W}$
	$R_{\theta JM}^{(2)}$	12	15	$^\circ\text{C/W}$

Notes

- (1) Thermal resistance junction-to-ambient to follow JEDEC® 51-2A, device mounted on FR4 PCB, 2 oz. standard footprint
- (2) Thermal resistance junction-to-mount to follow JEDEC® 51-14 using Transient Dual Interface Test Method (TDIM)

ORDERING INFORMATION (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
TA6L6.8AHM3/H ⁽¹⁾	0.033	H	3500	7" diameter plastic tape and reel
TA6L6.8AHM3/I ⁽¹⁾	0.033	I	14 000	13" diameter plastic tape and reel

Note

- (1) AEC-Q101 qualified

RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^\circ\text{C}$, unless otherwise noted)

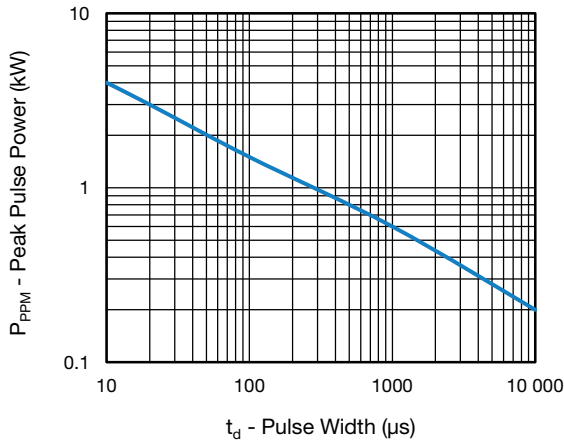


Fig. 1 - Peak Pulse Power Rating Curve

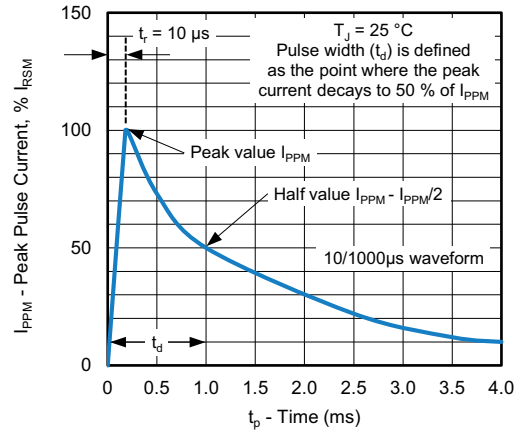


Fig. 3 - Pulse Waveform

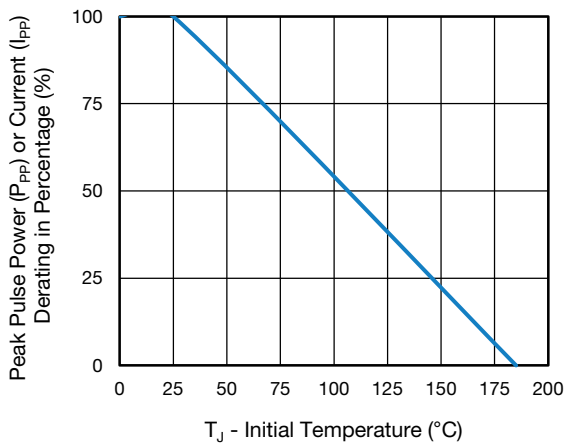


Fig. 2 - Pulse Power or Current vs. Initial Junction Temperature

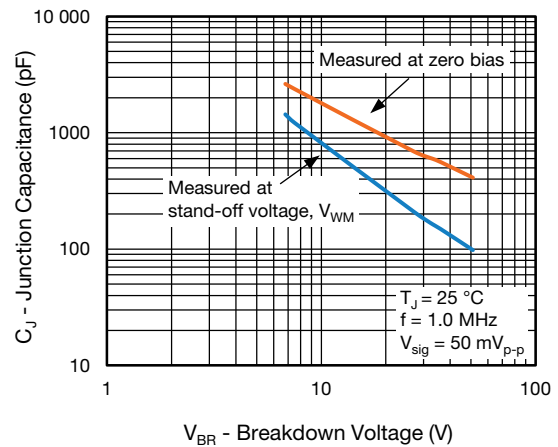


Fig. 4 - Typical Junction Capacitance

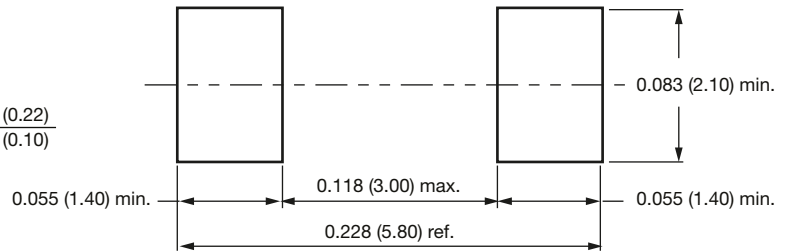
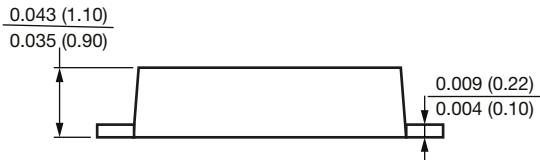
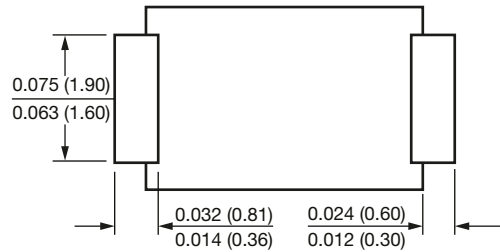
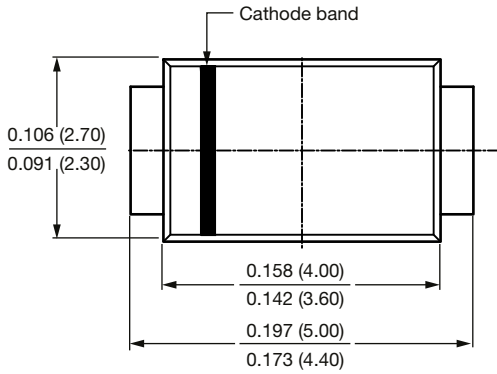
Note

- Fig. 1, power calculations is based on I_{PPM} times defined maximum clamping voltage by pulse width





PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

SlimSMAW (DO-221AD)





Mounting pad layout




PROTECTION DIODES - TVS AND ESD PROTECTION - SMF (DO-219AB)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
T4F10A thru T4F51A		SMF (DO-219AB)	400	Unidirectional	10.0	8.55	43.6	185	PAR® TVS	Yes
VTVS3V3ASMF to VTVS63GSMF		SMF (DO-219AB)	400	Unidirectional	6.4	3.3	63.0	175	TRANSZORB® TVS	Yes

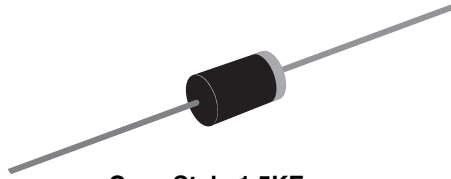
PROTECTION DIODES - TVS AND ESD PROTECTION - SMP (DO-220AA)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SMP3V3 thru SMP36A	 <small>eSMP® Series SMP (DO-220AA)</small>	SMP (DO-220AA)	400	Unidirectional	4.1	3.3	36.0	150	TRANSZORB® TVS	No
TPSMP6.8A thru TPSMP43A	 <small>eSMP® Series SMP (DO-220AA)</small>	SMP (DO-220AA)	400	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - SMPC (TO-277A)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SMPC5.0A thru SMPC36A, SMPC22AN thru SMPC85AN		SMPC (TO-277A)	1500	Unidirectional	6.4	5.0	85.0	150	TRANSZORB® TVS	Yes
TPC11CA thru TPC36CA		SMPC (TO-277A)	1500	Bidirectional	11.0	9.4	30.8	185	PAR® TVS	Yes
TPC6.8A thru TPC51A		SMPC (TO-277A)	1500	Unidirectional	6.8	5.8	43.6	185	PAR® TVS	Yes

TRANSZORB® Transient Voltage Suppressors



Case Style 1.5KE

FEATURES

- Glass passivated chip junction
- Available in unidirectional and bidirectional
- 1500 W peak pulse power capability with a 10/1000 μ s waveform, repetitive rate (duty cycle): 0.01 %
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- AEC-Q101 qualified available
- Solder dip 275 °C max. 10 s, per JESD 22-B106



PRIMARY CHARACTERISTICS	
V_{BR} unidirectional	6.8 V to 540 V
V_{BR} bidirectional	6.8 V to 220 V
V_{WM} unidirectional	5.8 V to 459 V
V_{WM} bidirectional	5.8 V to 185 V
P_{PPM}	1500 W
P_D	6.5 W
I_{FSM} (unidirectional only)	200 A
T_J max.	175 °C
Polarity	Unidirectional, bidirectional
Package	1.5KE

DEVICES FOR BIDIRECTION APPLICATIONS

For bidirectional types, use CA suffix (e.g. 1.5KE220CA)
Electrical characteristics apply in both directions.

TYPICAL APPLICATIONS

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, automotive, and telecommunication.

MECHANICAL DATA

Case: molded epoxy body over passivated junction
Molding compound meets UL 94 V-0 flammability rating
Base P/N-E3 - RoHS compliant, commercial grade
Base P/NHE3_X - RoHS compliant, and AEC-Q101 qualified
("X" denotes revision code e.g. A, B, ...)

Terminals: matte tin plated leads, solderable per J-STD-002 and JESD 22-B102

E3 suffix meets JESD 201 class 1A whisker test, HE3 suffix meets JESD 201 class 2 whisker test

Note

- 1.5KE250A to 1.5KE540A are commercial grade only
- Bidirectional is available from 1.5KE6.8CA to 1.5KE220CA only

Polarity: for unidirectional types the color band denotes cathode end, no marking on bidirectional types

MAXIMUM RATINGS ($T_A = 25$ °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power dissipation with a 10/1000 μ s waveform ⁽¹⁾ (fig. 1)	P_{PPM}	1500	W
Peak pulse current with a 10/1000 μ s waveform ⁽¹⁾	I_{PPM}	See next table	A
Power dissipation on infinite heatsink at $T_L = 75$ °C (fig. 5)	P_D	6.5	W
Peak forward surge current 8.3 ms single half sine-wave unidirectional only ⁽²⁾	I_{FSM}	200	A
Maximum instantaneous forward voltage at 100 A for unidirectional only ⁽³⁾	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +175	°C

Notes

- (1) Non-repetitive current pulse, per fig. 3 and derated above $T_A = 25$ °C per fig. 2
- (2) Measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum
- (3) $V_F = 3.5$ V for 1.5KE220A and below; $V_F = 5.0$ V for 1.5KE250A and above



1.5KE6.8A thru 1.5KE540A, 1N6267A thru 1N6303A

Vishay General Semiconductor

ELECTRICAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)									
JEDEC® TYPE NUMBER	GENERAL SEMICONDUCTOR PART NUMBER	BREAKDOWN VOLTAGE V _{BR} AT I _T (1)		TEST CURRENT I _T (mA)	STAND-OFF VOLTAGE V _{WM} (V)	MAXIMUM REVERSE LEAKAGE AT V _{WM} I _D (4) (μA)	MAXIMUM PEAK PULSE CURRENT I _{PPM} (2) (A)	MAXIMUM CLAMPING VOLTAGE AT I _{PPM} V _C (V)	MAXIMUM TEMPERATURE COEFFICIENT OF V _{BR} (%/°C)
		MIN.	MAX.						
1N6267A	(+)1.5KE6.8A	6.45	7.14	10	5.80	1000	143	10.5	0.057
1N6268A	(+)1.5KE7.5A	7.13	7.88	10	6.40	500	133	11.3	0.061
1N6269A	(+)1.5KE8.2A	7.79	8.61	10	7.02	200	124	12.1	0.065
1N6270A	(+)1.5KE9.1A	8.65	9.55	1.0	7.78	50	112	13.4	0.068
1N6271A	(+)1.5KE10A	9.50	10.5	1.0	8.55	10	103	14.5	0.073
1N6272A	(+)1.5KE11A	10.5	11.6	1.0	9.40	5.0	96.2	15.6	0.075
1N6273A	(+)1.5KE12A	11.4	12.6	1.0	10.2	5.0	89.8	16.7	0.078
1N6274A	(+)1.5KE13A	12.4	13.7	1.0	11.1	5.0	82.4	18.2	0.081
1N6275A	(+)1.5KE15A	14.3	15.8	1.0	12.8	1.0	70.8	21.2	0.084
1N6276A	(+)1.5KE16A	15.2	16.8	1.0	13.6	1.0	66.7	22.5	0.086
1N6277A	(+)1.5KE18A	17.1	18.9	1.0	15.3	1.0	59.5	25.2	0.089
1N6278A	(+)1.5KE20A	19.0	21.0	1.0	17.1	1.0	54.2	27.7	0.090
1N6279A	(+)1.5KE22A	20.9	23.1	1.0	18.8	1.0	49.0	30.6	0.092
1N6280A	(+)1.5KE24A	22.8	25.2	1.0	20.5	1.0	45.2	33.2	0.094
1N6281A	(+)1.5KE27A	25.7	28.4	1.0	23.1	1.0	40.0	37.5	0.096
1N6282A	(+)1.5KE30A	28.5	31.5	1.0	25.6	1.0	36.2	41.4	0.097
1N6283A	(+)1.5KE33A	31.4	34.7	1.0	28.2	1.0	32.8	45.7	0.098
1N6284A	(+)1.5KE36A	34.2	37.8	1.0	30.8	1.0	30.1	49.9	0.099
1N6285A	(+)1.5KE39A	37.1	41.0	1.0	33.3	1.0	27.8	53.9	0.100
1N6286A	(+)1.5KE43A	40.9	45.2	1.0	36.8	1.0	25.3	59.3	0.101
1N6287A	(+)1.5KE47A	44.7	49.4	1.0	40.2	1.0	23.1	64.8	0.101
1N6288A	(+)1.5KE51A	48.5	53.6	1.0	43.6	1.0	21.4	70.1	0.102
1N6289A	(+)1.5KE56A	53.2	58.8	1.0	47.8	1.0	19.5	77.0	0.103
1N6290A	(+)1.5KE62A	58.9	65.1	1.0	53.0	1.0	17.6	85.0	0.104
1N6291A	(+)1.5KE68A	64.6	71.4	1.0	58.1	1.0	16.3	92.0	0.104
1N6292A	(+)1.5KE75A	71.3	78.8	1.0	64.1	1.0	14.6	104	0.105
1N6293A	(+)1.5KE82A	77.9	86.1	1.0	70.1	1.0	13.3	113	0.105
1N6294A	(+)1.5KE91A	86.5	95.5	1.0	77.8	1.0	12.0	125	0.106
1N6295A	(+)1.5KE100A	95.0	105	1.0	85.5	1.0	10.9	137	0.106
1N6296A	(+)1.5KE110A	105	116	1.0	94.0	1.0	9.9	152	0.107
1N6297A	(+)1.5KE120A	114	126	1.0	102	1.0	9.1	165	0.107
1N6298A	(+)1.5KE130A	124	137	1.0	111	1.0	8.4	179	0.107
1N6299A	(+)1.5KE150A	143	158	1.0	128	1.0	7.2	207	0.106
1N6300A	(+)1.5KE160A	152	168	1.0	136	1.0	6.8	219	0.108
1N6301A	(+)1.5KE170A	162	179	1.0	145	1.0	6.4	234	0.108
1N6302A	(+)1.5KE180A	171	189	1.0	154	1.0	6.1	246	0.108
1N6303A	(+)1.5KE200A	190	210	1.0	171	1.0	5.5	274	0.108
-	(+)1.5KE220A	209	231	1.0	185	1.0	4.6	328	0.108
-	1.5KE250A	237	263	1.0	214	1.0	4.4	344	0.110
-	1.5KE300A	285	315	1.0	256	1.0	3.6	414	0.110
-	1.5KE350A	333	368	1.0	300	1.0	3.1	482	0.110
-	1.5KE400A	380	420	1.0	342	1.0	2.7	548	0.110
-	1.5KE440A	418	462	1.0	376	1.0	2.5	602	0.110
-	1.5KE480A	456	504	1.0	408	1.0	2.28	658	0.110
-	1.5KE510A	485	535	1.0	434	1.0	2.15	698	0.110
-	1.5KE540A	513	567	1.0	459	1.0	2.03	740	0.110

Notes

- (1) Pulse test: t_p ≤ 50 ms
- (2) Surge current waveform per fig. 3 and derate per fig. 2
- (3) All terms and symbols are consistent with ANSI/IEEE CA62.35
- (4) For bidirectional types with V_R 10 V and less the I_D limit is doubled
- (+) Underwriters laboratory recognition for the classification of protectors (QVGG2) under the UL standard for safety 497B and file number E136766 for both unidirectional and bidirectional devices



1.5KE6.8A thru 1.5KE540A, 1N6267A thru 1N6303A

Vishay General Semiconductor

THERMAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT
Typical thermal resistance, junction to ambient	$R_{\theta JA}$	75	$^\circ\text{C}/\text{W}$
Typical thermal resistance, junction to lead	$R_{\theta JL}$	15.4	

ORDERING INFORMATION (Example)

PREFERRED PIN	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
1.5KE6.8A-E3/54	0.968	54	1400	13" diameter paper tape and reel
1.5KE6.8AHE3_A/C ⁽¹⁾⁽²⁾	0.968	C	1400	13" diameter paper tape and reel

Notes

(1) AEC-Q101 qualified

(2) Applied for 1.5KE6.8AHE3_A to 1.5KE220AHE3_A, and 1.5KE6.8CAHE3_A to 1.5KE220CAHE3_A

RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

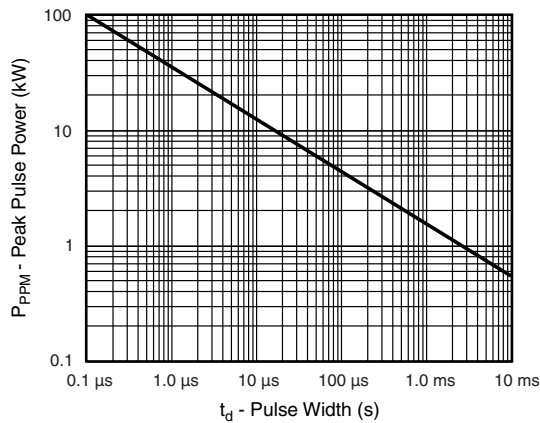


Fig. 1 - Peak Pulse Power Rating Curve

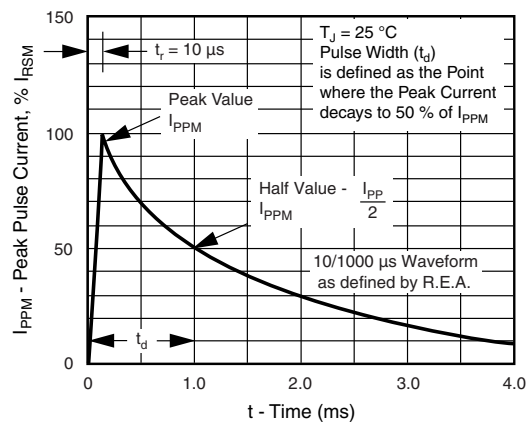


Fig. 3 - Pulse Waveform

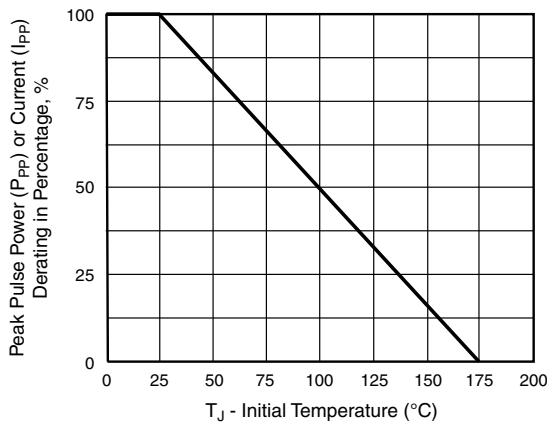


Fig. 2 - Pulse Power or Current vs. Initial Junction Temperature

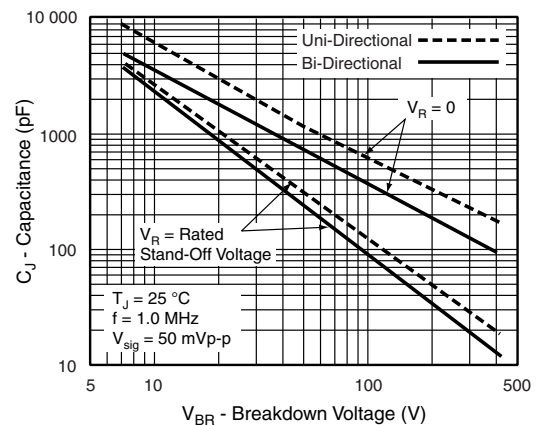


Fig. 4 - Typical Junction Capacitance



1.5KE6.8A thru 1.5KE540A, 1N6267A thru 1N6303A

Vishay General Semiconductor

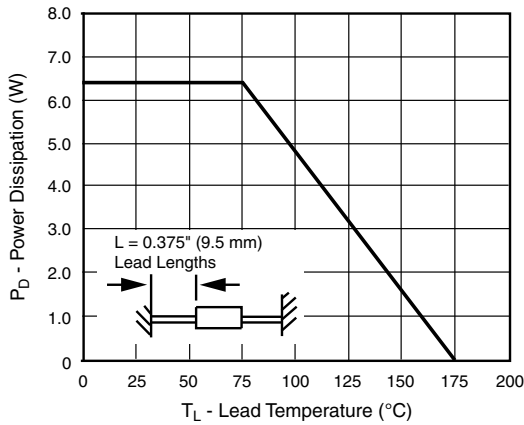


Fig. 5 - Power Derating Curve

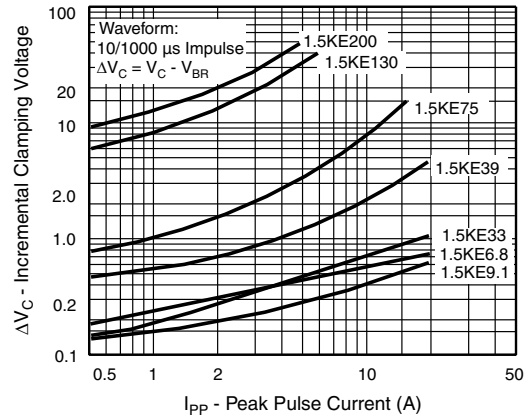


Fig. 8 - Incremental Clamping Voltage Curve (Unidirectional)

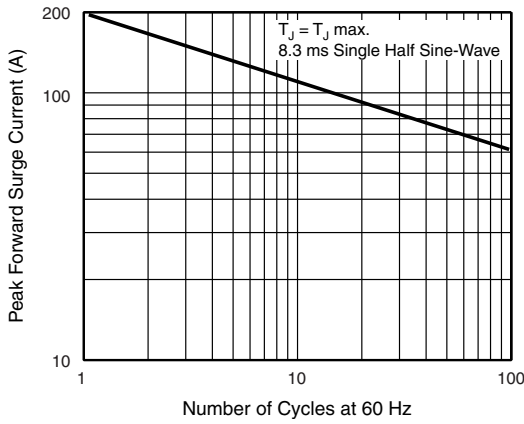


Fig. 6 - Maximum Non-Repetitive Forward Surge Current Unidirectional only

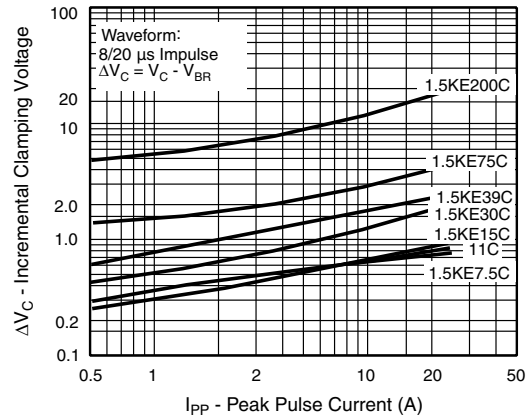


Fig. 9 - Incremental Clamping Voltage Curve (Bidirectional)

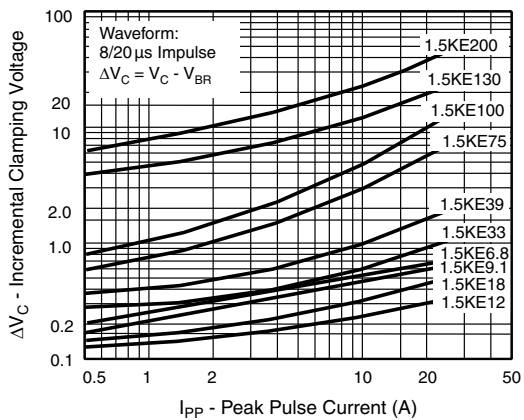


Fig. 7 - Incremental Clamping Voltage Curve (Unidirectional)

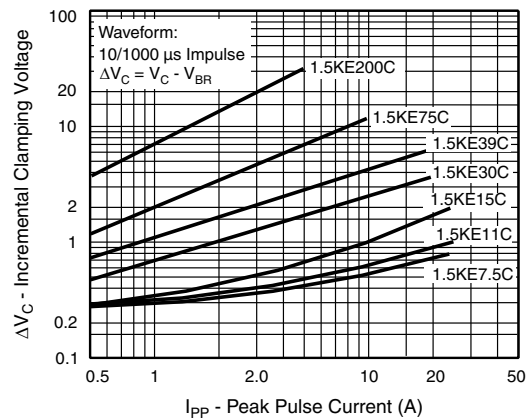


Fig. 10 - Incremental Clamping Voltage Curve (Bidirectional)

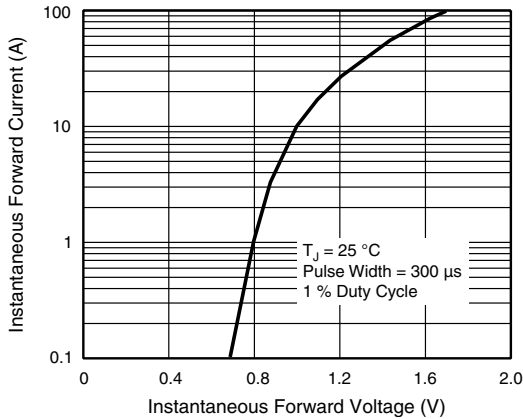


Fig. 11 - Instantaneous Forward Voltage Characteristics Curve

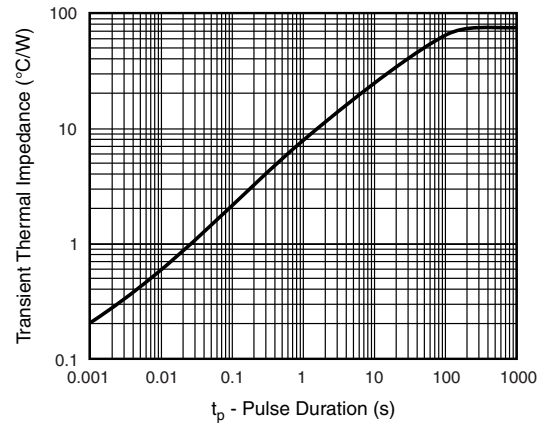
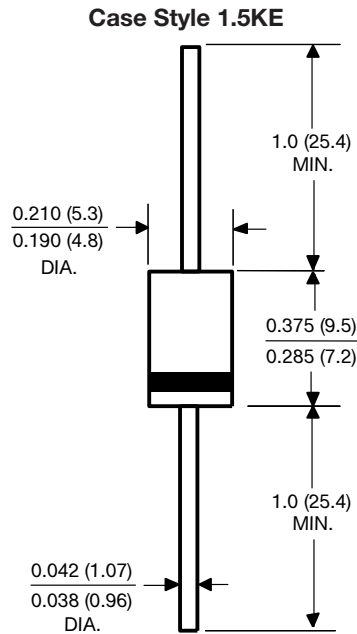


Fig. 12 - Typical Transient Thermal Impedance




PACKAGE OUTLINE DIMENSIONS in inches (millimeters)






APPLICATION NOTES

- This series of Silicon Transient Suppressors is used in applications where large voltage transients can permanently damage voltage-sensitive components.
- The TVS diode can be used in applications where induced lightning on rural or remote transmission lines presents a hazard to electronic circuitry (ref: R.E.A. specification P.E. 60).
- This Transient Voltage Suppressor diode has a pulse power rating of 1500 W for 1 ms. The response time of TVS diode clamping action is effectively instantaneous (1×10^{-9} s bi-directional); therefore, they can protect integrated circuits, MOS devices, hybrids, and other voltage sensitive semiconductors and components. TVS diodes can also be used in series or parallel to increase the peak power ratings.









PROTECTION DIODES - TVS AND ESD PROTECTION - DO-15 (DO-204AC)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
P6KE6.8A thru P6KE540A		DO-15 (DO-204AC)	600	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes
SA5.0A thru SA170CA		DO-15 (DO-204AC)	500	Unidirectional, bidirectional	6.4	5.0	170.0	175	TRANSZORB® TVS	Yes
SAC5.0 thru SAC50		DO-15 (DO-204AC)	500	Unidirectional	7.6	5.0	50.0	175	TRANSZORB® TVS	No







PROTECTION DIODES - TVS AND ESD PROTECTION - DO-41 (DO-204AL)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
BZW04-5V8 thru BZW04-376		DO-41 (DO-204AL)	400	Unidirectional, bidirectional	6.45	5.8	376.0	175	TRANSZORB® TVS	Yes
P4KE530, P4KE550		DO-41 (DO-204AL)	300	Unidirectional	530.0	477.0	495.0	150	TRANSZORB® TVS	No
P4KE6.8A thru P4KE540A		DO-41 (DO-204AL)	400	Unidirectional, bidirectional	6.8	5.8	459.0	175	TRANSZORB® TVS	Yes

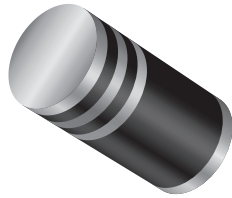
PROTECTION DIODES - TVS AND ESD PROTECTION - DO-218AB

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SM5A27		DO-218AB	3600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM5S10A thru SM5S36A		DO-218AB	3600	Unidirectional	11.1	10.0	36.0	175	PAR® TVS	Yes
SM6A27		DO-218AB	4600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM6S10A thru SM6S36A		DO-218AB	4600	Unidirectional	11.1	10.0	36.0	175	PAR® TVS	Yes
SM8A27		DO-218AB	6600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM8S10A thru SM8S43A		DO-218AB	6600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
XLD5A24CA		DO-218AB	7700	Bidirectional	26.7	24.0	26.0	175	XClampR™ TVS	Yes
XLD8A24CA		DO-218AB	11000	Bidirectional	26.7	24.0	26.0	175	XClampR™ TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - DO-218AC

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SM5A27T		DO-218AC	3600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM5S10AT thru SM5S43AT		DO-218AC	3600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM6A27T		DO-218AC	4600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM6S10AT thru SM6S43AT		DO-218AC	4600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes
SM8A27T		DO-218AC	6600	Unidirectional	27.0	22.0	22.0	175	PAR® TVS	Yes
SM8S10AT thru SM8S43AT		DO-218AC	6600	Unidirectional	11.1	10.0	43.0	175	PAR® TVS	Yes

TRANSZorb® Transient Voltage Suppressors



GL41 (DO-213AB)

FEATURES

- Plastic MELF package
- Ideal for automated placement
- Glass passivated pallet chip junction
- Available in unidirectional polarity only
- 400 W peak pulse power capability with a 10/1000 μ s waveform, repetitive rate (duty cycle): 0.01 %
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meets MSL level 1, per J-STD-020, LF maximum peak of 250 °C



RoHS
COMPLIANT

PRIMARY CHARACTERISTICS	
V_{BR} unidirectional	6.45 V to 210 V
V_{WM}	5.8 V to 171 V
P_{PPM}	400 W, 200 W
P_D	1.0 W
I_{FSM}	40 A
T_J max.	150 °C
Polarity	Unidirectional
Package	GL41 (DO-213AB)

TYPICAL APPLICATIONS

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, and telecommunication.

MECHANICAL DATA

Case: GL41 (DO-213AB)

Molding compound meets UL 94 V-0 flammability rating Base P/N-E3 - RoHS compliant, commercial grade

Terminals: matte tin plated leads, solderable per J-STD-002 and JESD 22-B102

E3 suffix meets JESD 201 class 1A whisker test

Polarity: blue band denotes the cathode which is positive with respect to the anode under normal TVS operation

MAXIMUM RATINGS ($T_A = 25\text{ °C}$ unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power dissipation with a 10/1000 μ s waveform ⁽¹⁾ (fig. 1)	P_{PPM}	400	W
Power dissipation on infinite heatsink at $T_L = 75\text{ °C}$	P_D	1.0	W
Peak pulse current with a 10/1000 μ s waveform ⁽¹⁾ (fig. 3)	I_{PPM}	See next table	A
Peak forward surge current, 8.3 ms half sine-wave unidirectional only ⁽²⁾	I_{FSM}	40	A
Maximum instantaneous forward voltage at 25 A for unidirectional only	V_F	3.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +150	°C

Notes

⁽¹⁾ Non-repetitive current pulse, per fig. 3 and derated above $T_A = 25\text{ °C}$ per fig. 2. Rating is 200 W above 91 V

⁽²⁾ Measured at 8.3 ms single half sine-wave or equivalent square wave duty cycle = 4 pulses per minute maximum



TGL41-6.8A thru TGL41-200A

Vishay General Semiconductor

ELECTRICAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)								
DEVICE TYPE	BREAKDOWN VOLTAGE $V_{BR}^{(1)}$ (V)		TEST CURRENT I_T (mA)	STAND-OFF VOLTAGE V_{WM} (V)	MAXIMUM REVERSE LEAKAGE AT V_{WM} I_D (μA)	MAXIMUM PEAK PULSE CURRENT $I_{PPM}^{(2)}$ (A)	MAXIMUM CLAMPING VOLTAGE AT I_{PPM} V_C (V)	MAXIMUM TEMPERATURE COEFFICIENT OF V_{BR} ($\%/^\circ\text{C}$)
	MIN.	MAX.						
TGL41-6.8A	6.45	7.14	10	5.80	1000	38.1	10.5	0.060
TGL41-7.5A	7.13	7.88	10	6.40	500	35.4	11.3	0.064
TGL41-8.2A	7.79	8.61	10	7.02	200	33.1	12.1	0.068
TGL41-9.1A	8.65	9.55	1.0	7.78	50.0	29.9	13.4	0.071
TGL41-10A	9.5	10.5	1.0	8.55	10.0	27.6	14.5	0.076
TGL41-11A	10.5	11.6	1.0	9.40	5.0	25.6	15.6	0.078
TGL41-12A	11.4	12.6	1.0	10.2	5.0	24.0	16.7	0.081
TGL41-13A	12.4	13.7	1.0	11.1	5.0	22.0	18.2	0.084
TGL41-15A	14.3	15.8	1.0	12.8	5.0	18.9	21.2	0.087
TGL41-16A	15.2	16.8	1.0	13.6	5.0	17.8	22.5	0.089
TGL41-18A	17.1	18.9	1.0	15.3	5.0	15.9	25.2	0.091
TGL41-20A	19.0	21.0	1.0	17.1	5.0	14.4	27.7	0.093
TGL41-22A	20.9	23.1	1.0	18.8	5.0	13.1	30.6	0.095
TGL41-24A	22.8	25.2	1.0	20.5	5.0	12.0	33.2	0.097
TGL41-27A	25.7	28.4	1.0	23.1	5.0	10.7	37.5	0.099
TGL41-30A	28.5	31.5	1.0	25.6	5.0	9.7	41.4	0.100
TGL41-33A	31.4	34.7	1.0	28.2	5.0	8.8	45.7	0.101
TGL41-36A	34.2	37.8	1.0	30.8	5.0	8.0	49.9	0.102
TGL41-39A	37.1	41.0	1.0	33.3	5.0	7.4	53.9	0.103
TGL41-43A	40.9	45.2	1.0	36.8	5.0	6.7	59.3	0.104
TGL41-47A	44.7	49.4	1.0	40.2	5.0	6.2	64.8	0.104
TGL41-51A	48.5	53.6	1.0	43.6	5.0	5.7	70.1	0.105
TGL41-56A	53.2	58.8	1.0	47.8	5.0	5.2	77.0	0.106
TGL41-62A	58.9	65.1	1.0	53.0	5.0	4.7	85.0	0.107
TGL41-68A	64.6	71.4	1.0	58.1	5.0	4.3	92.0	0.107
TGL41-75A	71.3	78.8	1.0	64.1	5.0	3.9	103	0.108
TGL41-82A	77.9	86.1	1.0	70.1	5.0	3.5	113	0.108
TGL41-91A	86.5	95.5	1.0	77.8	5.0	3.2	125	0.109
TGL41-100A	95.0	105	1.0	85.5	5.0	1.46	137	0.109
TGL41-110A	105	116	1.0	94.0	5.0	1.32	152	0.110
TGL41-120A	114	126	1.0	102	5.0	1.21	165	0.110
TGL41-130A	124	137	1.0	111	5.0	1.12	179	0.110
TGL41-150A	143	158	1.0	128	5.0	0.97	207	0.111
TGL41-160A	152	168	1.0	136	5.0	0.91	219	0.111
TGL41-170A	162	179	1.0	145	5.0	0.85	234	0.111
TGL41-180A	171	189	1.0	154	5.0	0.81	246	0.111
TGL41-200A	190	210	1.0	171	5.0	0.73	274	0.111

Notes

- (1) Pulse test: $t_p \leq 50\text{ ms}$
- (2) Surge current waveform per fig. 3 and derate per fig. 2
- (2) All terms and symbols are consistent with ANSI/IEEE C62.35

ORDERING INFORMATION (Example)				
PREFERRED PIN	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
TGL41-6.8A-E3/96	0.134	96	1500	7" diameter plastic tape and reel
TGL41-6.8A-E3/97	0.134	97	5000	13" diameter plastic tape and reel



RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

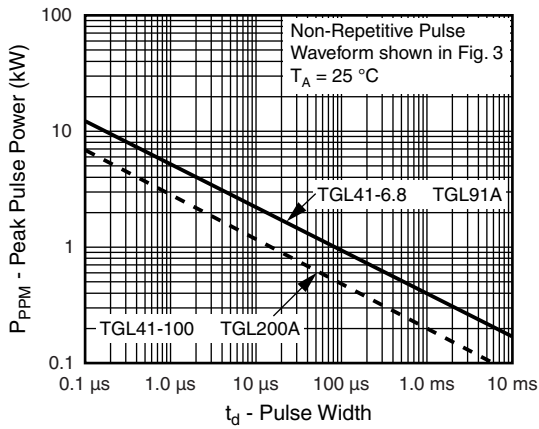


Fig. 1 - Peak Pulse Power Rating Curve

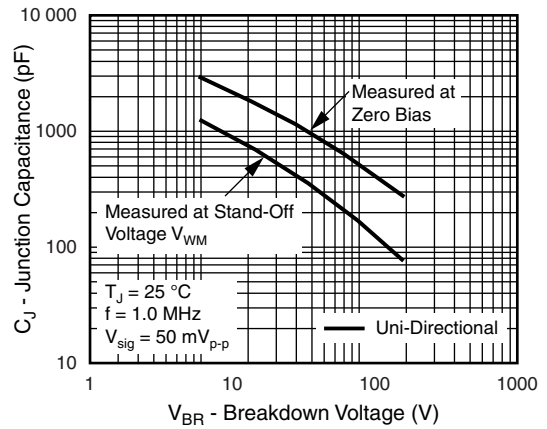


Fig. 4 - Typical Junction Capacitance

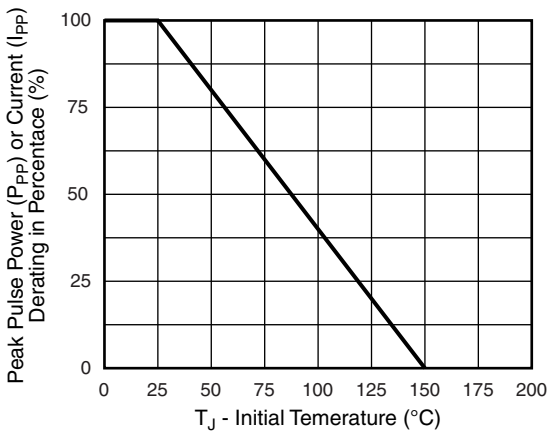


Fig. 2 - Pulse Power or Current vs. Initial Junction Temperature

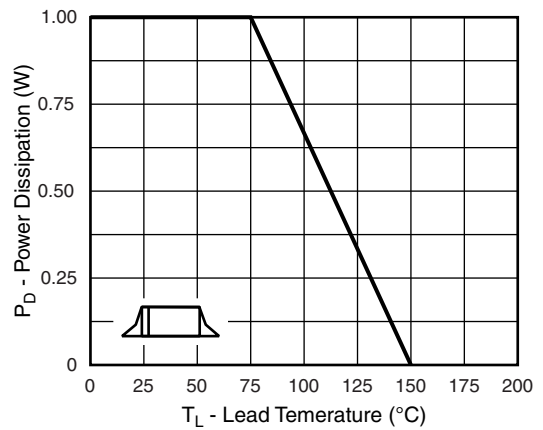


Fig. 5 - Power Derating Curve

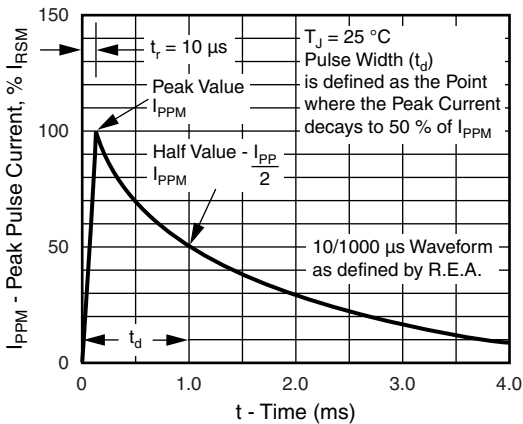


Fig. 3 - Pulse Waveform

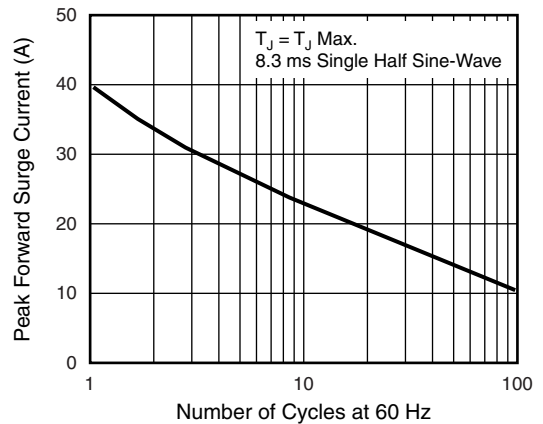
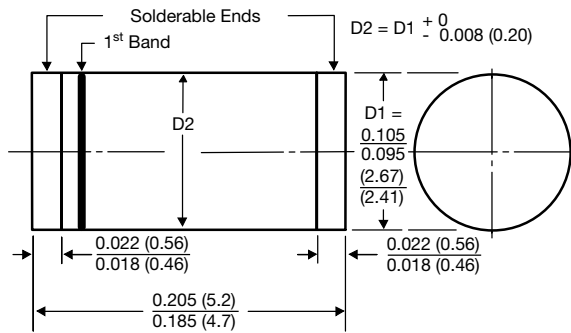


Fig. 6 - Maximum Non-Repetitive Peak Forward Surge Current Unidirectional Only



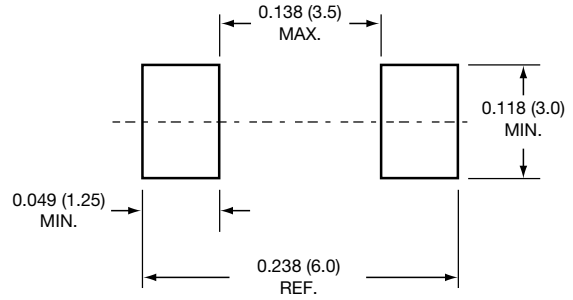
PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

GL41 (DO-213AB)

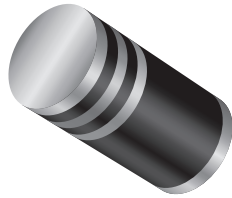


1st band denotes type and positive end (cathode)

Mounting Pad Layout



TRANSZorb[®] Transient Voltage Suppressors



GL41 (DO-213AB)

FEATURES

- Plastic MELF package
- Ideal for automated placement
- Glass passivated pallet chip junction
- Available in unidirectional polarity only
- 400 W peak pulse power capability with a 10/1000 μ s waveform, repetitive rate (duty cycle): 0.01 %
- Excellent clamping capability
- Very fast response time
- Low incremental surge resistance
- Meets MSL level 1, per J-STD-020, LF maximum peak of 250 °C



RoHS
COMPLIANT

PRIMARY CHARACTERISTICS

V_{BR} unidirectional	6.45 V to 210 V
V_{WM}	5.8 V to 171 V
P_{PPM}	400 W, 200 W
P_D	1.0 W
I_{FSM}	40 A
T_J max.	150 °C
Polarity	Unidirectional
Package	GL41 (DO-213AB)

TYPICAL APPLICATIONS

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, and telecommunication.

MECHANICAL DATA

Case: GL41 (DO-213AB)

Molding compound meets UL 94 V-0 flammability rating Base P/N-E3 - RoHS compliant, commercial grade

Terminals: matte tin plated leads, solderable per J-STD-002 and JESD 22-B102

E3 suffix meets JESD 201 class 1A whisker test

Polarity: blue band denotes the cathode which is positive with respect to the anode under normal TVS operation

MAXIMUM RATINGS ($T_A = 25$ °C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power dissipation with a 10/1000 μ s waveform ⁽¹⁾ (fig. 1)	P_{PPM}	400	W
Power dissipation on infinite heatsink at $T_L = 75$ °C	P_D	1.0	W
Peak pulse current with a 10/1000 μ s waveform ⁽¹⁾ (fig. 3)	I_{PPM}	See next table	A
Peak forward surge current, 8.3 ms half sine-wave unidirectional only ⁽²⁾	I_{FSM}	40	A
Maximum instantaneous forward voltage at 25 A for unidirectional only	V_F	3.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +150	°C

Notes

⁽¹⁾ Non-repetitive current pulse, per fig. 3 and derated above $T_A = 25$ °C per fig. 2. Rating is 200 W above 91 V

⁽²⁾ Measured at 8.3 ms single half sine-wave or equivalent square wave duty cycle = 4 pulses per minute maximum



TGL41-6.8A thru TGL41-200A

Vishay General Semiconductor

ELECTRICAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)								
DEVICE TYPE	BREAKDOWN VOLTAGE $V_{BR}^{(1)}$ (V)		TEST CURRENT I_T (mA)	STAND-OFF VOLTAGE V_{WM} (V)	MAXIMUM REVERSE LEAKAGE AT V_{WM} I_D (μA)	MAXIMUM PEAK PULSE CURRENT $I_{PPM}^{(2)}$ (A)	MAXIMUM CLAMPING VOLTAGE AT I_{PPM} V_C (V)	MAXIMUM TEMPERATURE COEFFICIENT OF V_{BR} ($\%/^\circ\text{C}$)
	MIN.	MAX.						
TGL41-6.8A	6.45	7.14	10	5.80	1000	38.1	10.5	0.060
TGL41-7.5A	7.13	7.88	10	6.40	500	35.4	11.3	0.064
TGL41-8.2A	7.79	8.61	10	7.02	200	33.1	12.1	0.068
TGL41-9.1A	8.65	9.55	1.0	7.78	50.0	29.9	13.4	0.071
TGL41-10A	9.5	10.5	1.0	8.55	10.0	27.6	14.5	0.076
TGL41-11A	10.5	11.6	1.0	9.40	5.0	25.6	15.6	0.078
TGL41-12A	11.4	12.6	1.0	10.2	5.0	24.0	16.7	0.081
TGL41-13A	12.4	13.7	1.0	11.1	5.0	22.0	18.2	0.084
TGL41-15A	14.3	15.8	1.0	12.8	5.0	18.9	21.2	0.087
TGL41-16A	15.2	16.8	1.0	13.6	5.0	17.8	22.5	0.089
TGL41-18A	17.1	18.9	1.0	15.3	5.0	15.9	25.2	0.091
TGL41-20A	19.0	21.0	1.0	17.1	5.0	14.4	27.7	0.093
TGL41-22A	20.9	23.1	1.0	18.8	5.0	13.1	30.6	0.095
TGL41-24A	22.8	25.2	1.0	20.5	5.0	12.0	33.2	0.097
TGL41-27A	25.7	28.4	1.0	23.1	5.0	10.7	37.5	0.099
TGL41-30A	28.5	31.5	1.0	25.6	5.0	9.7	41.4	0.100
TGL41-33A	31.4	34.7	1.0	28.2	5.0	8.8	45.7	0.101
TGL41-36A	34.2	37.8	1.0	30.8	5.0	8.0	49.9	0.102
TGL41-39A	37.1	41.0	1.0	33.3	5.0	7.4	53.9	0.103
TGL41-43A	40.9	45.2	1.0	36.8	5.0	6.7	59.3	0.104
TGL41-47A	44.7	49.4	1.0	40.2	5.0	6.2	64.8	0.104
TGL41-51A	48.5	53.6	1.0	43.6	5.0	5.7	70.1	0.105
TGL41-56A	53.2	58.8	1.0	47.8	5.0	5.2	77.0	0.106
TGL41-62A	58.9	65.1	1.0	53.0	5.0	4.7	85.0	0.107
TGL41-68A	64.6	71.4	1.0	58.1	5.0	4.3	92.0	0.107
TGL41-75A	71.3	78.8	1.0	64.1	5.0	3.9	103	0.108
TGL41-82A	77.9	86.1	1.0	70.1	5.0	3.5	113	0.108
TGL41-91A	86.5	95.5	1.0	77.8	5.0	3.2	125	0.109
TGL41-100A	95.0	105	1.0	85.5	5.0	1.46	137	0.109
TGL41-110A	105	116	1.0	94.0	5.0	1.32	152	0.110
TGL41-120A	114	126	1.0	102	5.0	1.21	165	0.110
TGL41-130A	124	137	1.0	111	5.0	1.12	179	0.110
TGL41-150A	143	158	1.0	128	5.0	0.97	207	0.111
TGL41-160A	152	168	1.0	136	5.0	0.91	219	0.111
TGL41-170A	162	179	1.0	145	5.0	0.85	234	0.111
TGL41-180A	171	189	1.0	154	5.0	0.81	246	0.111
TGL41-200A	190	210	1.0	171	5.0	0.73	274	0.111

Notes

- (1) Pulse test: $t_p \leq 50\text{ ms}$
- (2) Surge current waveform per fig. 3 and derate per fig. 2
- (2) All terms and symbols are consistent with ANSI/IEEE C62.35

ORDERING INFORMATION (Example)				
PREFERRED PIN	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
TGL41-6.8A-E3/96	0.134	96	1500	7" diameter plastic tape and reel
TGL41-6.8A-E3/97	0.134	97	5000	13" diameter plastic tape and reel



RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

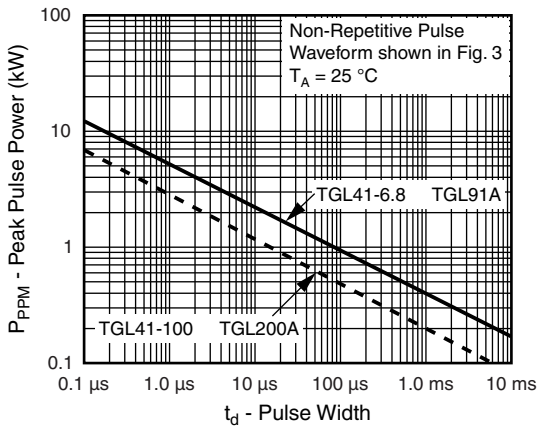


Fig. 1 - Peak Pulse Power Rating Curve

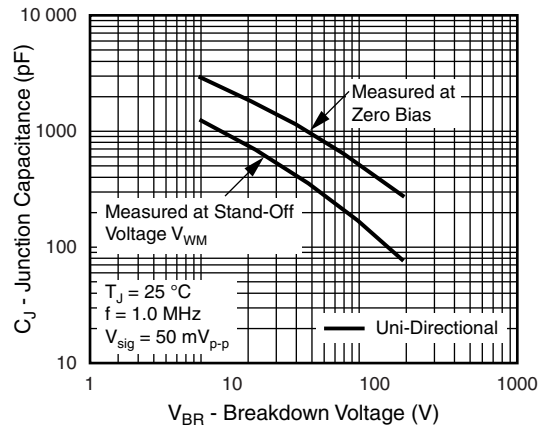


Fig. 4 - Typical Junction Capacitance

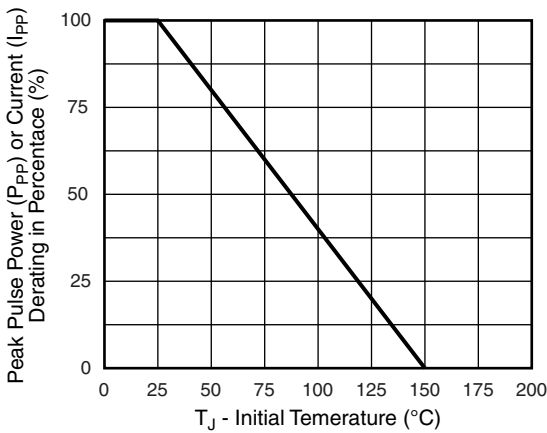


Fig. 2 - Pulse Power or Current vs. Initial Junction Temperature

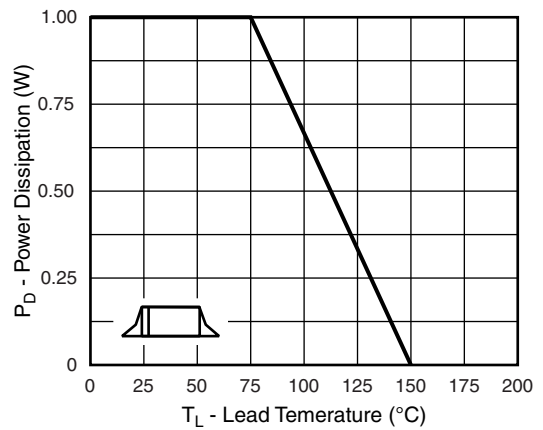


Fig. 5 - Power Derating Curve

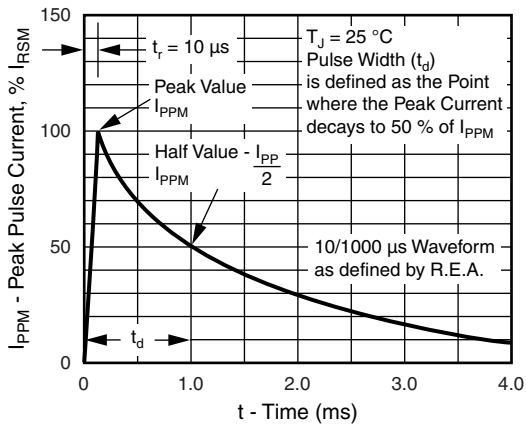


Fig. 3 - Pulse Waveform

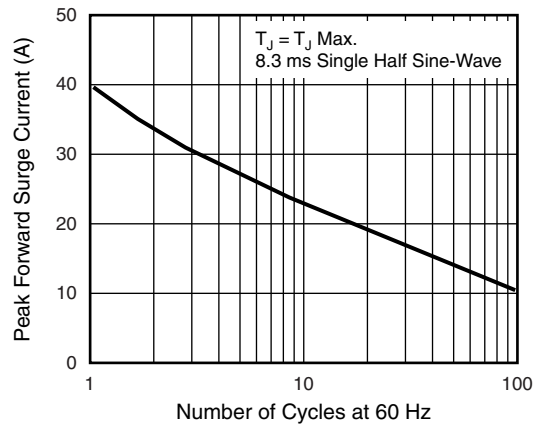
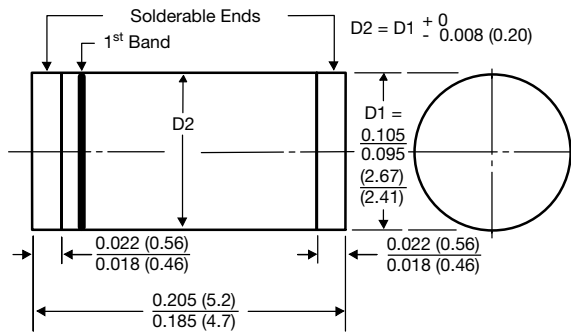


Fig. 6 - Maximum Non-Repetitive Peak Forward Surge Current Unidirectional Only



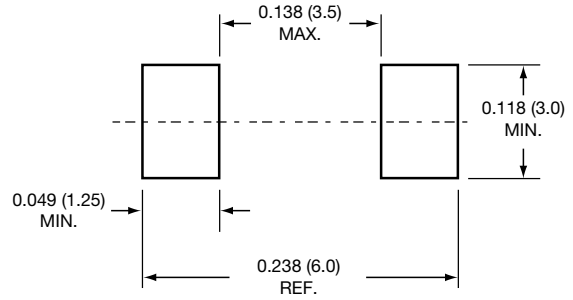
PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

GL41 (DO-213AB)



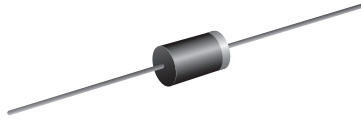
1st band denotes type and positive end (cathode)

Mounting Pad Layout



PAR[®] Transient Voltage Suppressors

High Temperature Stability and High Reliability Conditions



MPG06

FEATURES

- Available in unidirectional polarity only
- 400 W peak pulse power capability with a 10/1000 μ s waveform, repetitive rate (duty cycle): 0.01 %
- Excellent clamping capability
- Very fast response time
- Low incremental resistance
- Solder dip 275 °C max. 10 s, per JESD 22-B106
- AEC-Q101 qualified



PRIMARY CHARACTERISTICS	
V_{BR}	10 V to 43 V
V_{WM}	8.55 V to 36.8 V
P_{PPM}	400 W
P_D	1.0 W
I_{FSM}	40 A
T_J max.	185 °C
Polarity	Unidirectional
Package	MPG06

APPLICATIONS

Use in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, automotive, and telecommunication.

MECHANICAL DATA

Case: MPG06, molded epoxy over passivated junction
Molding compound meets UL 94 V-0 flammability rating
Base P/NHE3_X - RoHS-compliant, AEC-Q101 qualified
("X" denotes revision code e.g. A, B, ...)

Terminals: matte tin plated leads, solderable per J-STD-002 and JESD 22-B102
HE3 suffix meets JESD 201 class 2 whisker test

Polarity: color band denotes cathode end

MAXIMUM RATINGS ($T_A = 25$ °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power dissipation with a 10/1000 μ s waveform ⁽¹⁾ (fig. 1)	P_{PPM}	400	W
Peak pulse current with a 10/1000 μ s waveform ⁽¹⁾⁽²⁾ (fig. 3)	I_{PPM}	See next table	A
Power dissipation on infinite heatsink at $T_L = 75$ °C (fig. 5)	P_D	1.0	W
Peak forward surge current 8.3 ms single half sine-wave ⁽²⁾	I_{FSM}	40	A
Maximum instantaneous forward voltage at 25 A ⁽²⁾	V_F	3.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-65 to +185	°C

Notes

⁽¹⁾ Non-repetitive current pulse, per fig. 3 and derated above $T_A = 25$ °C per fig. 2

⁽²⁾ Measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum



TMPG06-10A thru TMPG06-43A

Vishay General Semiconductor

ELECTRICAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)									
DEVICE TYPE	BREAKDOWN VOLTAGE V_{BR} AT I_T ⁽¹⁾ (V)		TEST CURRENT I_T (mA)	STAND-OFF VOLTAGE V_{WM} (V)	MAXIMUM REVERSE LEAKAGE AT V_{WM} I_D (μA)	REVERSE LEAKAGE AT V_{WM} $T_J = 150\text{ }^\circ\text{C}$ (μA)	MAXIMUM PEAK PULSE CURRENT I_{PPM} ⁽²⁾ (A)	MAXIMUM CLAMPING VOLTAGE AT I_{PPM} V_C (V)	MAXIMUM TEMPERATURE COEFFICIENT OF V_{BR} ($\%/^\circ\text{C}$)
	MIN.	MAX.							
TMPG06-10A	9.50	10.5	1.0	8.55	5.0	20.0	27.6	14.5	0.073
TMPG06-11A	10.5	11.6	1.0	9.40	2.0	10.0	25.6	15.6	0.075
TMPG06-12A	11.4	12.6	1.0	10.2	1.0	5.0	24.0	16.7	0.078
TMPG06-13A	12.4	13.7	1.0	11.1	1.0	5.0	22.0	18.2	0.081
TMPG06-15A	14.3	15.8	1.0	12.8	1.0	5.0	18.9	21.2	0.084
TMPG06-16A	15.2	16.8	1.0	13.6	1.0	5.0	17.8	22.5	0.086
TMPG06-18A	17.1	18.9	1.0	15.3	1.0	5.0	15.9	25.5	0.088
TMPG06-20A	19.0	21.0	1.0	17.0	1.0	5.0	14.4	27.7	0.090
TMPG06-22A	20.9	23.1	1.0	18.8	1.0	5.0	13.1	30.6	0.092
TMPG06-24A	22.8	25.2	1.0	20.5	1.0	5.0	12.0	33.2	0.094
TMPG06-27A	25.7	28.4	1.0	23.1	1.0	5.0	10.7	37.5	0.096
TMPG06-30A	28.5	31.5	1.0	25.6	1.0	5.0	9.7	41.4	0.097
TMPG06-33A	31.4	34.7	1.0	28.2	1.0	5.0	8.8	45.7	0.098
TMPG06-36A	34.2	37.8	1.0	30.8	1.0	5.0	8.0	49.9	0.099
TMPG06-39A	37.1	41.0	1.0	33.3	1.0	5.0	7.4	53.9	0.100
TMPG06-43A	40.9	45.2	1.0	36.8	1.0	5.0	6.7	59.3	0.101

Notes

- (1) Pulse test: $t_p \leq 50\text{ ms}$
- (2) Surge current waveform per fig. 3 and derated per fig. 2
- (3) All terms and symbols are consistent with ANSI/IEEE CA62.35

ORDERING INFORMATION (Example)				
PREFERRED PIN	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
TMPG06-10AHE3_A/C ⁽¹⁾	0.218	C	5500	13" diameter paper tape and reel

Note

- (1) AEC-Q101 qualified

RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

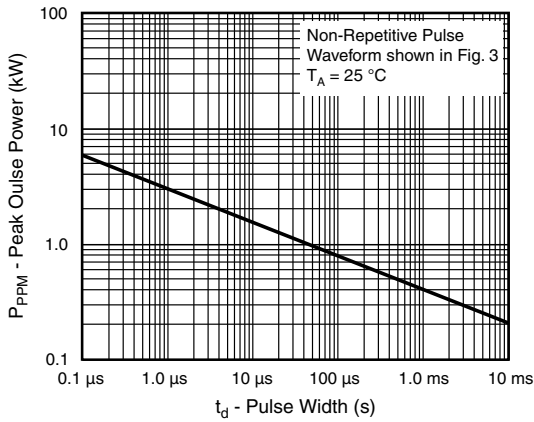


Fig. 1 - Peak Pulse Power Rating Curve

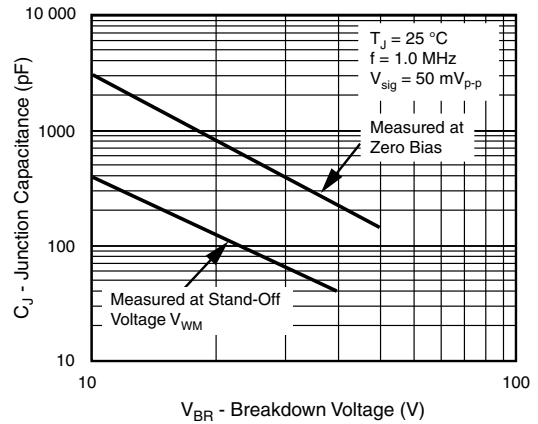


Fig. 4 - Typical Junction Capacitance

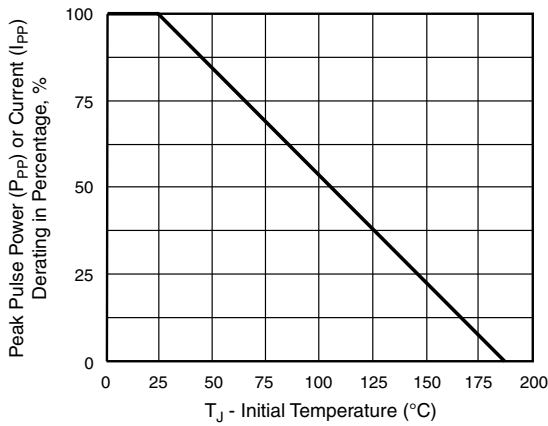


Fig. 2 - Pulse Power or Current vs. Initial Junction Temperature

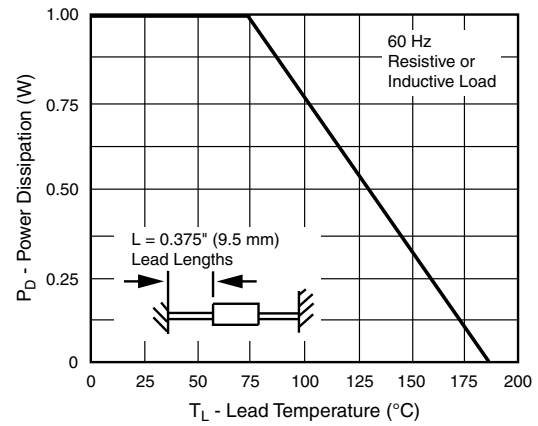


Fig. 5 - Power Derating Curve

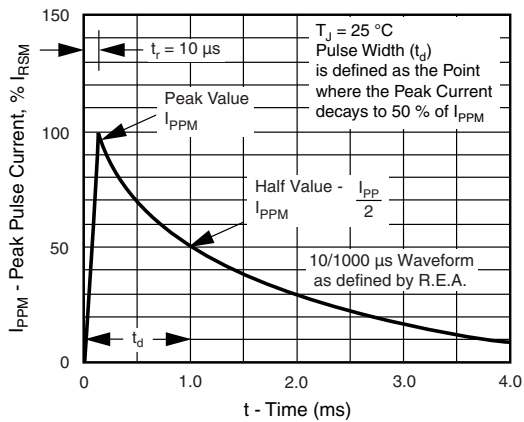


Fig. 3 - Pulse Waveform

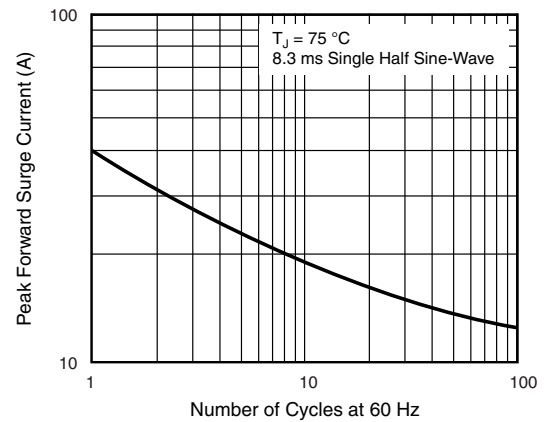


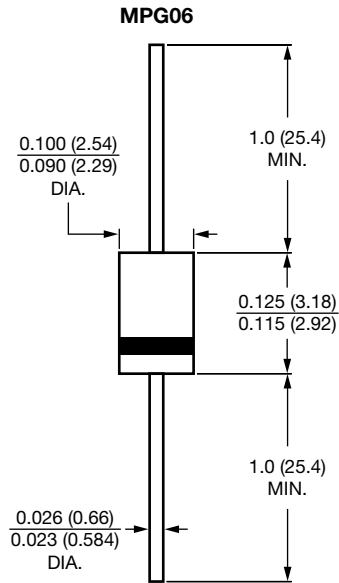
Fig. 6 - Maximum Non-Repetitive Forward Surge Current





TMPG06-10A thru TMPG06-43A

Vishay General Semiconductor








PACKAGE OUTLINE DIMENSIONS in inches (millimeters)













PROTECTION DIODES - TVS AND ESD PROTECTION - P600

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
5KP8.5A thru 5KP188A		P600	5000	Unidirectional	9.4	8.5	188.0	175	TRANSZORB® TVS	Yes
6KA24		P600	6000	Unidirectional	26.7	24.0	24.0	185	PAR® TVS	Yes



PROTECTION DIODES - TVS AND ESD PROTECTION - SMA (DO-214AC)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
P4SMA Series		SMA (DO-214AC)	400	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
SMA5J5.0A thru SMA5J40CA		SMA (DO-214AC)	500	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	Yes
SMA6J5.0A thru SMA6J28A		SMA (DO-214AC)	600	Unidirectional	6.4	5.0	28.0	150	TRANSZORB® TVS	No
SMA6J5.0A thru SMA6J28A		SMA (DO-214AC)	600	Unidirectional	6.4	5.0	28.0	150	TRANSZORB® TVS	No
SMAJ5.0A thru SMAJ188CA		SMA (DO-214AC)	400	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMAJ530, SMAJ550		SMA (DO-214AC)	300	Unidirectional	530.0	477.0	495.0	150	TRANSZORB® TVS	Yes
TPSMA6.8A thru TPSMA43A		SMA (DO-214AC)	400	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - SMB (DO-214AA)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
LVB14A		SMB (DO-214AA)	600	Unidirectional	13.2	12.0	12.0	150	TRANSZORB® TVS	No
LVB14A		SMB (DO-214AA)	600	Unidirectional	13.2	12.0	12.0	150	TRANSZORB® TVS	No
P6SMB Series		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
SM6T Series		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.8	5.8	188.0	150	TRANSZORB® TVS	Yes
SMB10(8)J5.0(C)A thru SMB10(8)J40(C)A		SMB (DO-214AA)	1000	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	Yes
SMB10(8)J5.0(C)A thru SMB10(8)J40(C)A		SMB (DO-214AA)	1000	Unidirectional, bidirectional	6.4	5.0	40.0	150	TRANSZORB® TVS	No
SMBJ3V3		SMB (DO-214AA)	600	Unidirectional	4.1	3.3	3.3	175	TRANSZORB® TVS	Yes
SMBJ5.0A thru SMBJ188A		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMBJ5.0D thru SMBJ188D, SMBJ5.0CD thru SMBJ120CD		SMB (DO-214AA)	600	Unidirectional, bidirectional	6.5	5.0	188.0	150	TRANSZORB® TVS	No
TPSMB6.8A thru TPSMB43A		SMB (DO-214AA)	600	Unidirectional	6.8	5.8	36.8	185	PAR® TVS	Yes



PROTECTION DIODES - TVS AND ESD PROTECTION - SMBG (DO-215AA)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SMBG5.0A thru SMBG188CA		SMBG (DO-215AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMBG5.0A thru SMBG188CA		SMBG (DO-215AA)	600	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	No

PROTECTION DIODES - TVS AND ESD PROTECTION - SMC (DO-214AB)

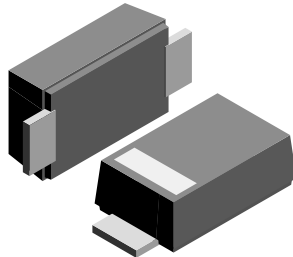
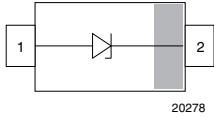
Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
1.5SMC Series		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.8	5.8	459.0	150	TRANSZORB® TVS	Yes
3.0C10CA-M3 thru 3.0C120CA-M3		SMC (DO-214AB)	3000	Bidirectional	11.1	10.0	120.0	175	TRANSZORB® TVS	No
3KASMC10A thru 3KASMC43A		SMC (DO-214AB)	3000	Unidirectional	11.1	10.0	43.0	185	PAR® TVS	Yes
5KASMC10A thru 5KASMC43A		SMC (DO-214AB)	5000	Unidirectional	11.1	10.0	43.0	185	PAR® TVS	Yes
SM15T Series		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.8	5.8	188.0	150	TRANSZORB® TVS	Yes
SMC3K10CAHM3_A thru SMC3K120CAHM3_A		SMC (DO-214AB)	3000	Bidirectional	11.1	10.0	120.0	175	TRANSZORB® TVS	Yes
SMC5K10A thru SMC5K85A		SMC (DO-214AB)	5000	Unidirectional	11.1	10.0	85.0	150	TRANSZORB® TVS	Yes
SMC5K10CA thru SMC5K85CA		SMC (DO-214AB)	5000	Bidirectional	11.1	10.0	85.0	175	TRANSZORB® TVS	No
SMCJ5.0A thru SMCJ188CA		SMC (DO-214AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
TPSMC6.8A thru TPSMC47A		SMC (DO-214AB)	1500	Unidirectional	6.8	5.8	40.2	185	PAR® TVS	Yes
XMC7K24CA		SMC (DO-214AB)	7000	Bidirectional	26.7	24.0	24.0	175	XClampR™ TVS	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - SMCG (DO-215AB)

Series	Product Image	Package (JEDEC®) Code	Power Rating (W)	TVS Polarity	V _{BR} Min. (V)	V _{WM} Min. (V)	V _{WM} Max. (V)	T _J Max. (°C)	Product Line	AEC-Q101 Qualified
SMCG5.0A thru SMCG188CA		SMCG (DO-215AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	Yes
SMCG5.0A thru SMCG188CA		SMCG (DO-215AB)	1500	Unidirectional, bidirectional	6.4	5.0	188.0	150	TRANSZORB® TVS	No

Surface-Mount ESD Protection Diodes

eSMP® Series



SMF (DO-219AB)

FEATURES

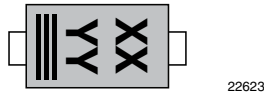
- 200 W peak pulse power capability with a 10/1000 μ s waveform, repetition rate (duty cycle): 0.01 %
- Low profile package
- Wave and reflow solderable
- ESD immunity acc. IEC 61000-4-2 \pm 30 kV contact discharge \pm 30 kV air discharge
- ESD capability according to AEC-Q101: human body model: class H3B: > 8 kV
- Low incremental surge resistance, excellent clamping capability
- “Low Noise” technology - very fast response time
- AEC-Q101 qualified available
- Compatible to SOD-123W package case outline or SOD-123F and SOD-123FL

AUTOMOTIVE GRADE Available



RoHS COMPLIANT
HALOGEN FREE Available

MARKING (example only)



Bar = cathode marking
YY = type code (see table below)
XX = date code

LINKS TO ADDITIONAL RESOURCES



ORDERING INFORMATION							
PART NUMBER (EXAMPLE)	ENVIRONMENTAL AND QUALITY CODE				PACKAGING CODE		ORDERING CODE (EXAMPLE)
	AEC-Q101 QUALIFIED	RoHS-COMPLIANT + LEAD (Pb)-FREE TERMINATIONS		TIN PLATED	3K PER 7" REEL (8 mm TAPE), MOQ = 30K	10K PER 13" REEL (8 mm TAPE), MOQ = 50K	
		STANDARD	HALOGEN-FREE				
SMF5V0A-		E		3	-08		SMF5V0A-E3-08
SMF5V0A-			M	3	-08		SMF5V0A-M3-08
SMF5V0A-	H	E		3	-08		SMF5V0A-HE3-08
SMF5V0A-	H		M	3	-08		SMF5V0A-HM3-08
SMF5V0A-		E		3		-18	SMF5V0A-E3-18
SMF5V0A-			M	3		-18	SMF5V0A-M3-18
SMF5V0A-	H	E		3		-18	SMF5V0A-HE3-18
SMF5V0A-	H		M	3		-18	SMF5V0A-HM3-18

PACKAGE DATA									
PACKAGE NAME	MOLDING COMPOUND	WEIGHT (mg)	HEIGHT MAX. (mm)	LENGTH MAX. (mm)	WIDTH MAX. (mm)	MOLDING COMPOUND FLAMMABILITY RATING	MOISTURE SENSITIVITY LEVEL	WHISKER TEST ACC. JESD 201	SOLDERING CONDITIONS
SMF (DO-219AB)	Standard	15	1.08	3.9	1.9	UL 94 V-0	MSL level 1 (acc. J-STD-020)	Class 2	Peak temperature max. 260 °C
	Halogen-free								



ABSOLUTE MAXIMUM RATINGS (T _{amb} = 25 °C, unless otherwise specified)				
PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	t _p = 10/1000 μs waveform	I _{PPM}	see "Electrical Characteristics"	A
Peak pulse power	t _p = 8/20 μs waveform acc. IEC 61000-4-5	P _{PP}	1000	W
	t _p = 10/1000 μs waveform		200	W
Peak forward surge current	8.3 ms single half sine-wave	I _{FSM}	50	A
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V _{ESD}	± 30	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 30	kV
Thermal resistance	Mounted on epoxy glass PCB with 3 mm x 3 mm, Cu pads (≥ 40 μm thick)	R _{thJA}	180	K/W
Forward clamping voltage	I _F = 50A, t _p = 400 μs	V _F	2.5	V
Junction temperature		T _J	175	°C
Storage temperature range		T _{stg}	-65 to +175	°C
Operating temperature range		T _{op}	-65 to +175	°C

ELECTRICAL CHARACTERISTICS (T _{amb} = 25 °C, unless otherwise specified)											
PART NUMBER	TYPE CODE		REVERSE BREAKDOWN VOLTAGE at I _T , t _p = 5 ms		TEST CURRENT	STAND-OFF VOLTAGE	MAXIMUM REVERSE CURRENT at V _{RWM}	MAXIMUM PEAK PULSE CURRENT at I _{PPM}	MAXIMUM REVERSE CLAMPING VOLTAGE at I _{PPM}	TYPICAL CAP. at V _R = 0 V, f = 1 MHz	PROTECTION PATHS
	STD.	HALOGEN-FREE	V _{BR} MIN. (V)	V _{BR} MAX. (V)	I _T (mA)	V _{RWM} (V)	I _R (μA)	I _{PPM} (A)	V _C MAX. (V)	C _D TYP. (pF)	N _{channel}
SMF5V0A	AE	NE	6.40	7.1	10	5	5	21.7	9.2	1120	1
SMF6V0A	AG	NG	6.67	7.4	10	6	26	19.4	10.3	1063	1
SMF6V5A	AK	NK	7.22	8	10	6.5	20	17.9	11.2	938	1
SMF7V0A	AM	NM	7.78	8.6	10	7	3	16.7	12	843	1
SMF7V5A	AP	NP	8.33	9.3	1	7.5	0.1	15.5	12.9	773	1
SMF8V0A	AR	NR	8.89	9.9	1	8	0.1	14.7	13.6	706	1
SMF8V5A	AT	NT	9.44	10.5	1	8.5	0.1	13.9	14.4	674	1
SMF9V0A	AV	NV	10	11.2	1	9	0.1	13.5	15.4	640	1
SMF10A	AX	NX	11.1	12.3	1	10	0.1	11.8	17	562	1
SMF11A	AZ	NZ	12.2	13.5	1	11	0.1	11	18.2	509	1
SMF12A	BE	OE	13.3	14.7	1	12	0.1	10.1	19.9	483	1
SMF13A	BG	OG	14.4	16	1	13	0.1	9.3	21.5	423	1
SMF14A	BK	OK	15.6	17.3	1	14	0.1	8.6	23.2	392	1
SMF15A	BM	OM	16.7	18.5	1	15	0.1	8.2	24.4	367	1
SMF16A	BP	OP	17.8	19.7	1	16	0.1	7.7	26	343	1
SMF17A	BR	OR	18.9	20.9	1	17	0.1	7.2	27.6	324	1
SMF18A	BT	OT	20	22.3	1	18	0.1	6.8	29.2	320	1
SMF20A	BV	OV	22.2	24.6	1	20	0.1	6.2	32.4	283	1
SMF22A	BX	OX	24.4	27	1	22	0.1	5.6	35.5	271	1
SMF24A	BZ	OZ	26.7	29.6	1	24	0.1	5.1	38.9	244	1
SMF26A	CE	PE	28.9	32	1	26	0.1	4.8	42.1	230	1
SMF28A	CG	PG	31.1	34.4	1	28	0.1	4.4	45.4	227	1
SMF30A	CK	PK	33.3	36.9	1	30	0.1	4.1	48.4	207	1
SMF33A	CM	PM	36.7	40.6	1	33	0.1	3.8	53.3	198	1
SMF36A	CP	PP	40	44.3	1	36	0.1	3.4	58.1	178	1
SMF40A	CR	PR	44.4	49.1	1	40	0.1	3.1	64.5	172	1
SMF43A	CT	PT	47.8	52.9	1	43	0.1	2.9	69.4	165	1
SMF45A	CV	PV	50	55.3	1	45	0.1	2.8	72.7	162	1
SMF48A	CX	PX	53.3	59	1	48	0.1	2.6	77.4	161	1
SMF51A	CZ	PZ	56.7	62.7	1	51	0.1	2.4	82.4	151	1
SMF54A	CA	PA	60	66	1	54	0.1	2.25	88	148	1
SMF58A	CC	PC	64.4	70.8	1	58	0.1	2.1	95	144	1

TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

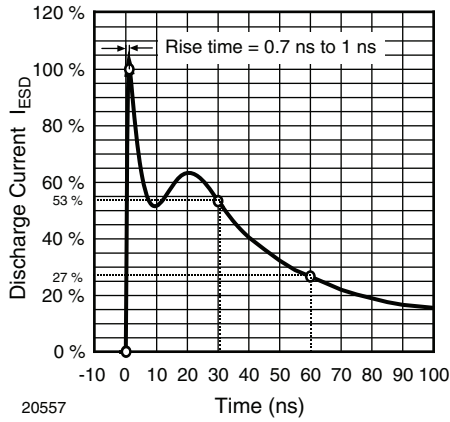


Fig. 1 - ESD Discharge Current Wave Form acc. IEC 61000-4-2 (330 Ω /150pF)

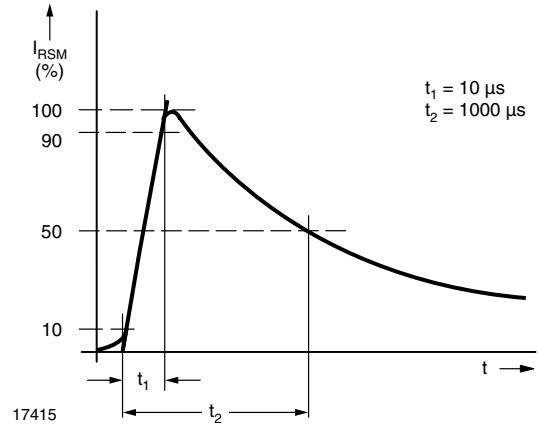


Fig. 4 - Pulse Waveform

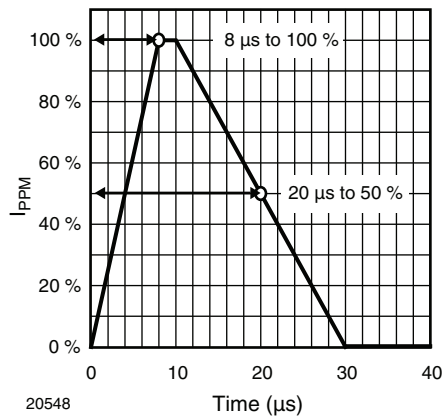


Fig. 2 - 8/20 μs Peak Pulse Current Wave Form acc. IEC 61000-4-5

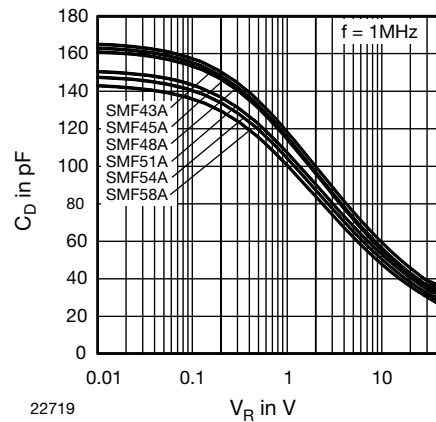


Fig. 5 - Typical Capacitance C_D vs. Reverse Voltage V_R

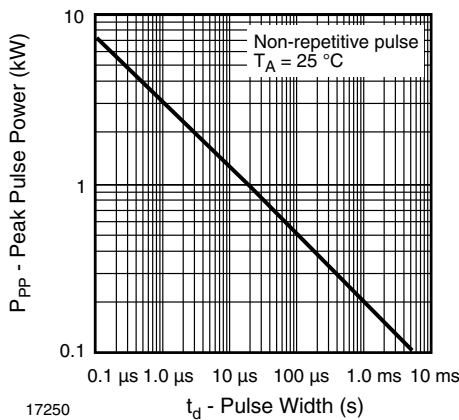


Fig. 3 - Peak Pulse Power Rating

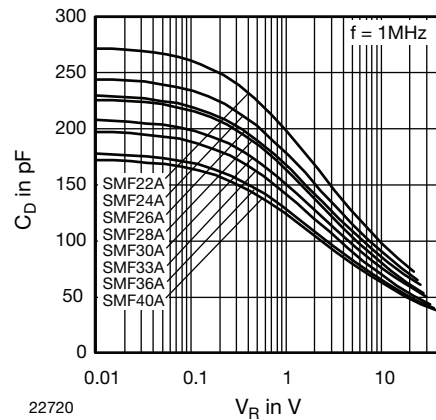


Fig. 6 - Typical Capacitance C_D vs. Reverse Voltage V_R

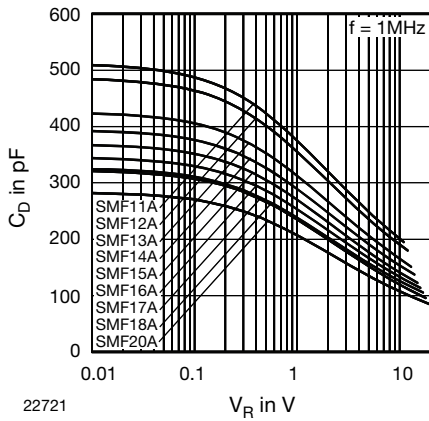


Fig. 7 - Typical Capacitance C_D vs. Reverse Voltage V_R

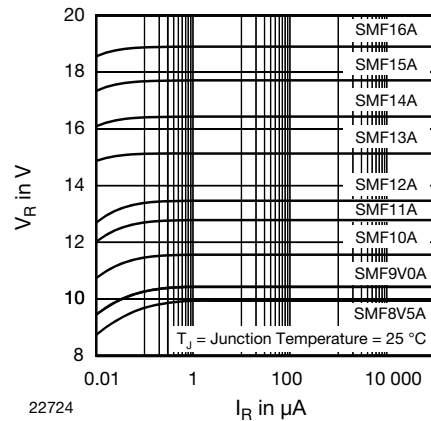


Fig. 10 - Typical Reverse Voltage V_R vs. Reverse Current I_R

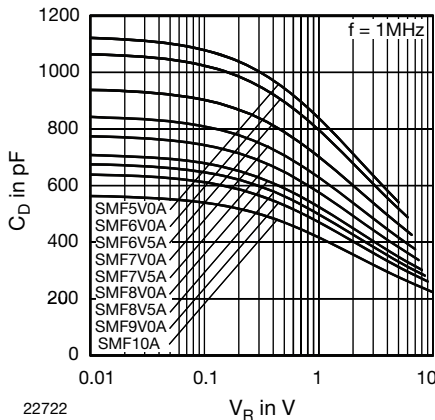


Fig. 8 - Typical Capacitance C_D vs. Reverse Voltage V_R

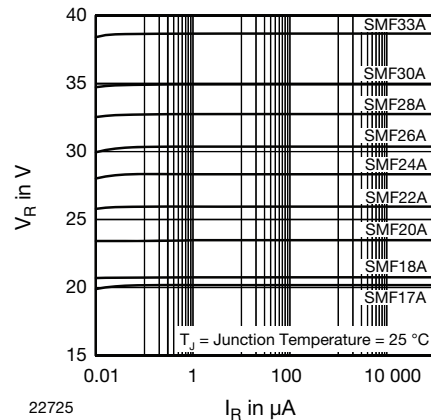


Fig. 11 - Typical Reverse Voltage V_R vs. Reverse Current I_R

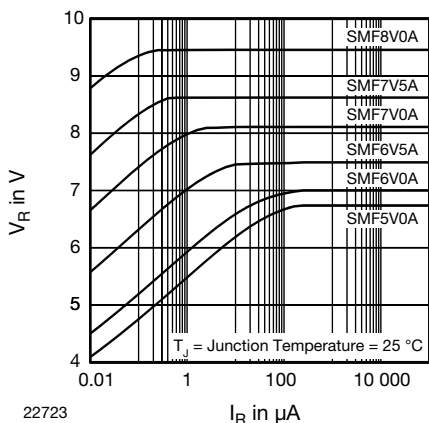


Fig. 9 - Typical Reverse Voltage V_R vs. Reverse Current I_R

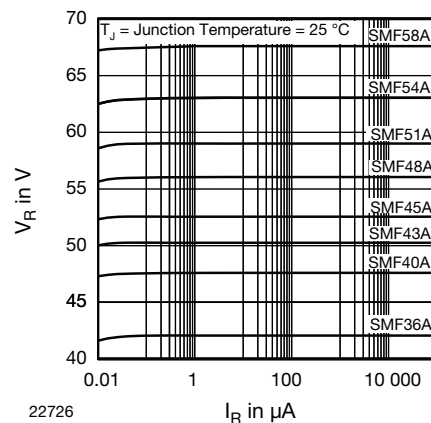
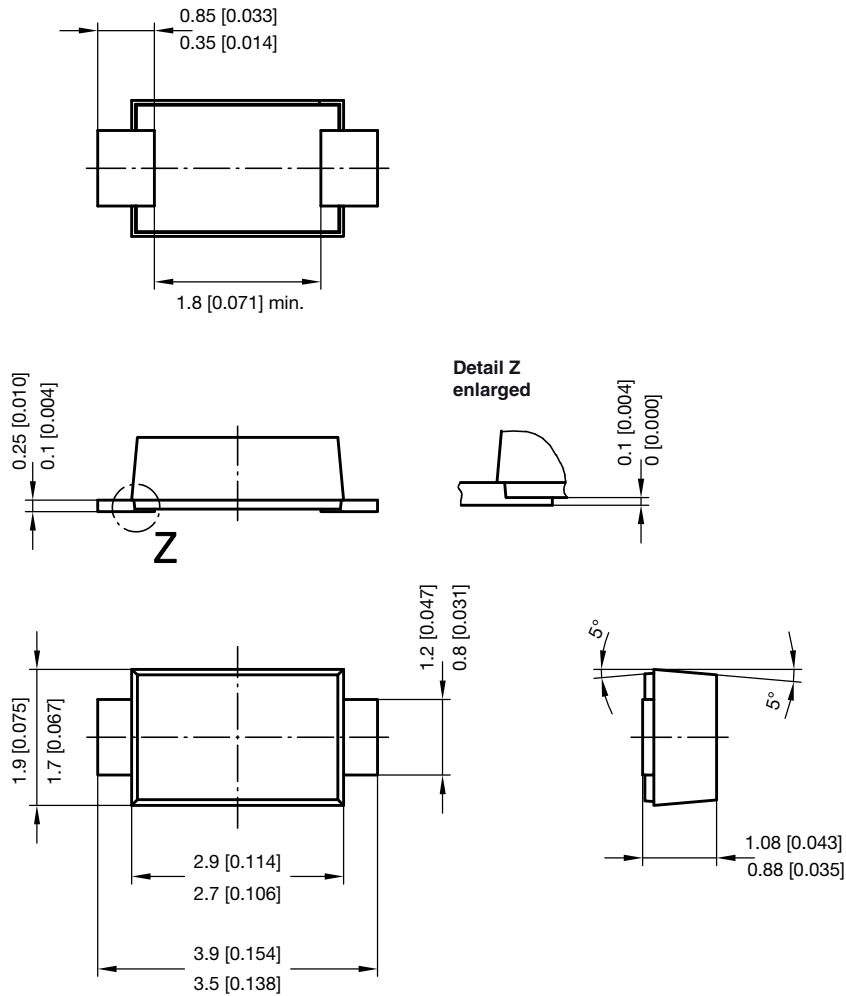
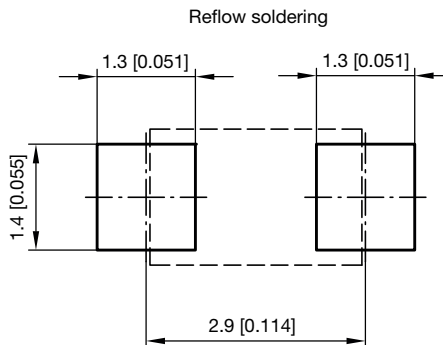


Fig. 12 - Typical Reverse Voltage V_R vs. Reverse Current I_R

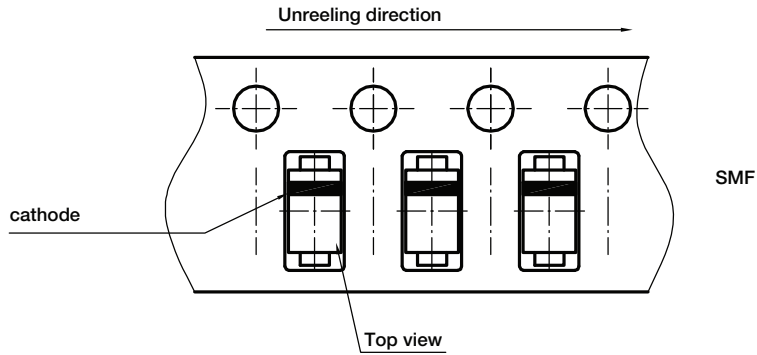
PACKAGE DIMENSIONS in millimeters (inches): **SMF (DO-219AB)**



foot print recommendation:









ORIENTATION IN CARRIER TAPE - SMF (DO-219AB)

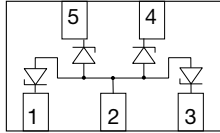


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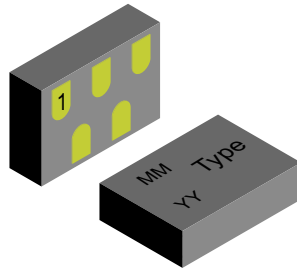
PROTECTION DIODES - TVS AND ESD PROTECTION - CLP0603-2L

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μ A)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu$ s acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu$ s acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VBUS03B1-SD0		CLP0603-2L	3.3	0.05	6.0	2.5	45	0.29	± 16	1	No
VBUS05B1-SD0		CLP0603-2L	5.5	0.05	6.0	2.5	45	0.29	± 16	1	No
VCUT03G1-SD0		CLP0603-2L	3.3	0.1	6.5	6.0	78	13	± 30	1	No
VCUT05G1-SD0		CLP0603-2L	5.5	0.1	6.5	6.0	78	13	± 30	1	No
VCUT10G1-SD0		CLP0603-2L	10	50.0	11	4.0	72	7.7	± 24	1	No
VCUT15G1-SD0		CLP0603-2L	15	50.0	15.8	2.5	65	5.5	± 15	1	No

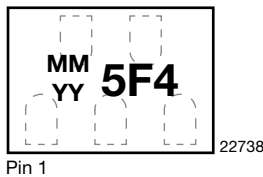
4-Line BUS-Port ESD Protection Array - Flow Through Design



22736



MARKING



Pin 1

5F4 = type code

MM = date code month

YY = date code year

LINKS TO ADDITIONAL RESOURCES



FEATURES

- Compact chip level page CLP1007-5L
- Length = 1 mm; width = 0.7 mm; height = 0.27 mm
- 4-lines, unidirectional ESD protection array
- Low leakage current $I_R < 0.1 \mu A$
- Low capacitance at $V_R = 0 V = 0.9 pF$ (typ.)
- Ideal for high speed data line like
 - HDMI, DisplayPort, eSATA
 - USB, 1394/firewire
 - Thunderbolt
- ESD immunity acc. IEC 61000-4-2
 - $\pm 15 kV$ contact discharge
 - $\pm 15 kV$ air discharge
- e4 - precious metal (e.g. Ag, Au, NiPd, NiPdAu) (no Sn)



ORDERING INFORMATION

DEVICE NAME	ORDERING CODE	TAPED UNITS PER REEL (8 mm TAPE ON 7" REEL)	MINIMUM ORDER QUANTITY
VBUS54FD-SD1	VBUS54FD-SD1-G4-08	10 000	10 000

PACKAGE DATA

DEVICE NAME	PACKAGE NAME	TYPE CODE	WEIGHT	MOISTURE SENSITIVITY LEVEL	SOLDERING CONDITIONS
VBUS54FD-SD1	CLP1007-5L	5F4	0.45 mg	MSL level 1 (according J-STD-020)	Peak temperature max. 260 °C

ABSOLUTE MAXIMUM RATINGS ($T_{amb} = 25 \text{ }^\circ\text{C}$, unless otherwise specified)

PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	Acc. IEC 61000-4-5; $t_P = 8/20 \mu s$; single shot	I_{PPM}	3	A
Peak pulse power	Acc. IEC 61000-4-5; $t_P = 8/20 \mu s$; single shot	P_{PP}	45	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 15	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	
Operating temperature	Junction temperature	T_J	-40 to +125	$^\circ\text{C}$
Storage temperature		T_{STG}	-55 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (pin 1, 3, 4 or 5 to pin 2)
 ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

PARAMETER	TEST CONDITIONS/REMARKS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	4	lines
Reverse stand-off voltage	Max. reverse working voltage	V_{RWM}	-	-	5.5	V
Reverse voltage	at $I_R = 0.1\text{ }\mu\text{A}$	V_R	5.5	-	-	V
Reverse current	at $V_{RWM} = 5.5\text{ V}$	I_R	-	< 1 nA	0.1	μA
Reverse breakdown voltage	at $I_R = 1\text{ mA}$	V_{BR}	6.9	7.5	8.7	V
Reverse clamping voltage	at $I_{PP} = 1\text{ A}$	V_C	-	9.5	11	V
	at $I_{PP} = I_{PPM} = 3\text{ A}$	V_C	-	12.9	15	V
Forward clamping voltage	at $I_{PP} = 1\text{ A}$	V_F	-	1.8	2.2	V
	at $I_{PP} = 3\text{ A}$	V_F	-	3	4	V
Capacitance	at $V_R = 0\text{ V}$; $f = 1\text{ MHz}$	C_D	-	0.9	1	pF
	at $V_R = 3.3\text{ V}$; $f = 1\text{ MHz}$		-	0.9	1	pF
Clamping voltage	Transmission Line Pulse (TLP); $t_p = 100\text{ ns}$, $I_{TLP} = 8\text{ A}$	V_{C-TLP}	-	18	-	V
Clamping voltage	Transmission Line Pulse (TLP); $t_p = 100\text{ ns}$, $I_{TLP} = 16\text{ A}$	V_{C-TLP}	-	24	-	V
Dynamic resistance	Transmission Line Pulse (TLP); $t_p = 100\text{ ns}$	V_{C-TLP}	-	0.93	-	Ω

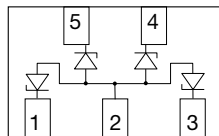
APPLICATION NOTE

The **VBUS54FD-SD1** is a four-line ESD protection device with the characteristic of a Z-diode with a high ESD immunity and a very low capacitance which makes it usable for high frequency applications like USB 2.0, USB 3.0 or HDMI.

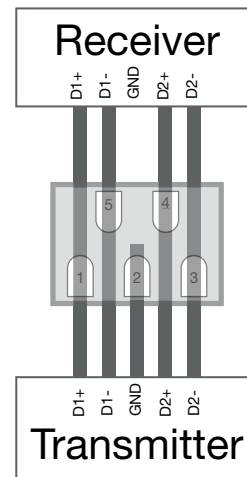
With the **VBUS54FD-SD1** four high speed data lines can be protected against transient voltage signals like ESD (electro static discharge). Connected to the data line (pin 1, 3 and pin 4, 5) and to ground (pin 2) negative transients will be clamped close below the ground level while positive transients will be clamped close above the 5.5 V working range. The clamping behavior of the **VBUS54FD-SD1** is bidirectional but asymmetrical (**Bias**) and so it offers the best protection for applications running up to 5.5 V.

Pin configuration:

- Pin 2 is the central ground pin and has to be connected to ground
- Pin 1, 3 and 4, 5 are the inputs for the data lines D_{1+} and D_{1-} and D_{2+} and D_{2-} .



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FLOW THROUGH DESIGN

Modern digital transmission lines can be clocked up to 480 Mbit/s (USB 2.0) or 1.65 Gbit/s (HDMI).

At such high data rates the transmission lines like cables or the line traces on the PCBs have to be very homogeneous regarding their surge impedance. This requires well defined trace dimensions as trace width and distance which have to be calculated depending on the requested surge impedance (e.g. 50 Ω) and the PCB material and layer dimensions. Any device connected to the data lines - like ESD protection devices - have to be connected with minimal changes in these trace dimensions and distances.

With the package in the so called "Flow Through Design" this is possible. The lines are running straight along the PCB while the **VBUS54FD-SD1** is placed on top without any vias or loops.

TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

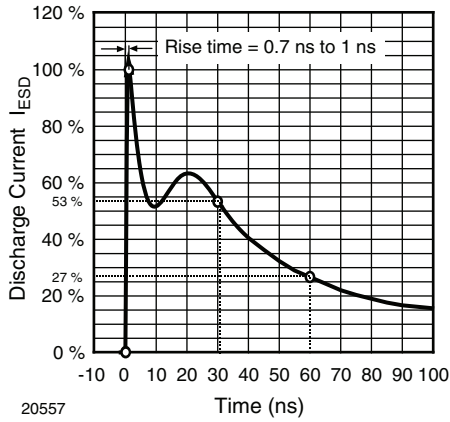


Fig. 1 - ESD Discharge Current Wave Form acc. IEC 61000-4-2 (330 Ω /150 pF)

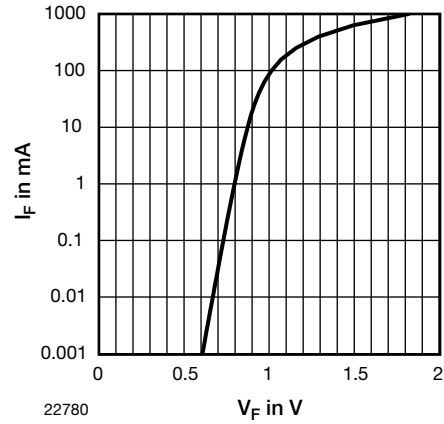


Fig. 4 - Typical Forward Current I_F vs. Forward Voltage V_F

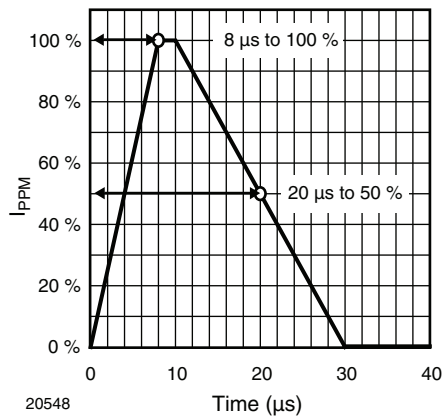


Fig. 2 - 8/20 μs Peak Pulse Current Wave Form acc. IEC 61000-4-5

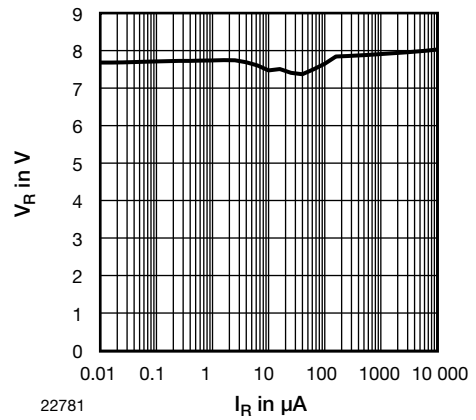


Fig. 5 - Typical Reverse Voltage V_R vs. Reverse Current I_R

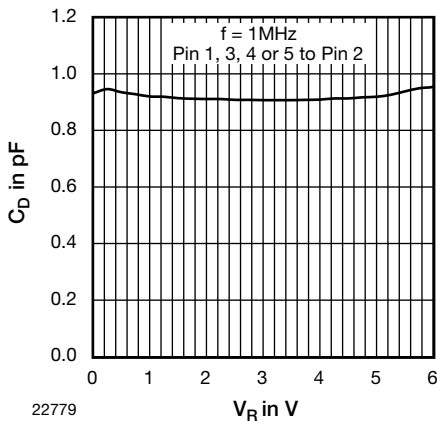


Fig. 3 - Typical Capacitance C_D vs. Reverse Voltage V_R

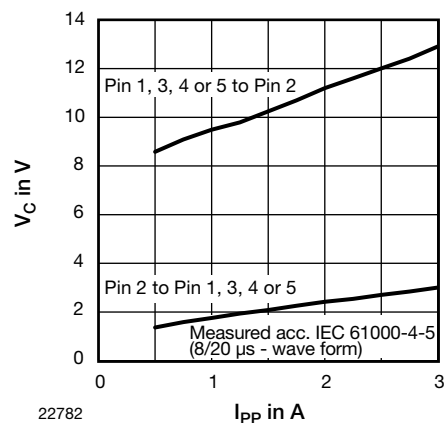


Fig. 6 - Typical Peak Clamping Voltage V_C vs. Peak Pulse Current I_{PP}

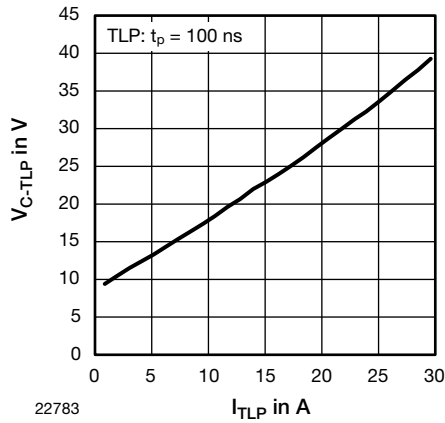
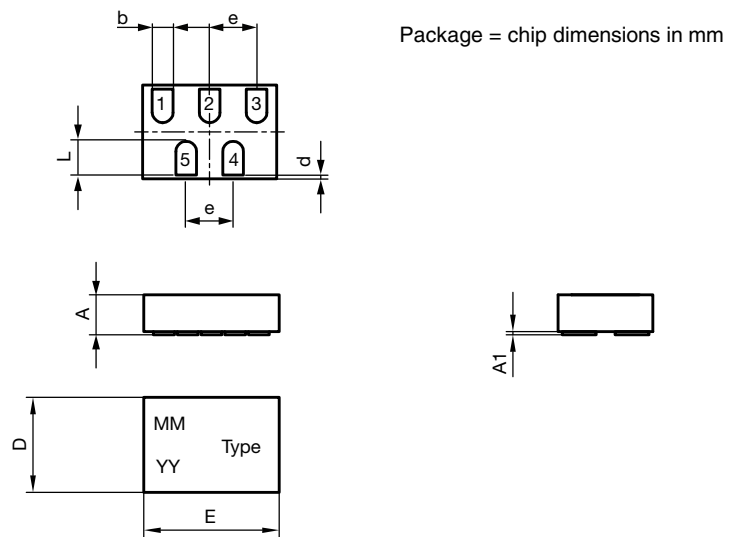


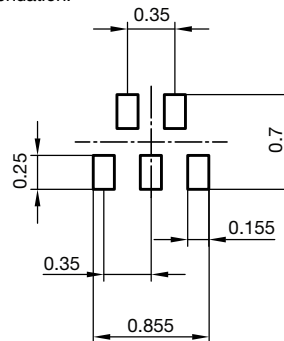
Fig. 7 - Typical Clamping Performance at 100 ns Transmission Line Pulse (TLP)

PACKAGE DIMENSIONS in millimeters: **CLP1007-5L**

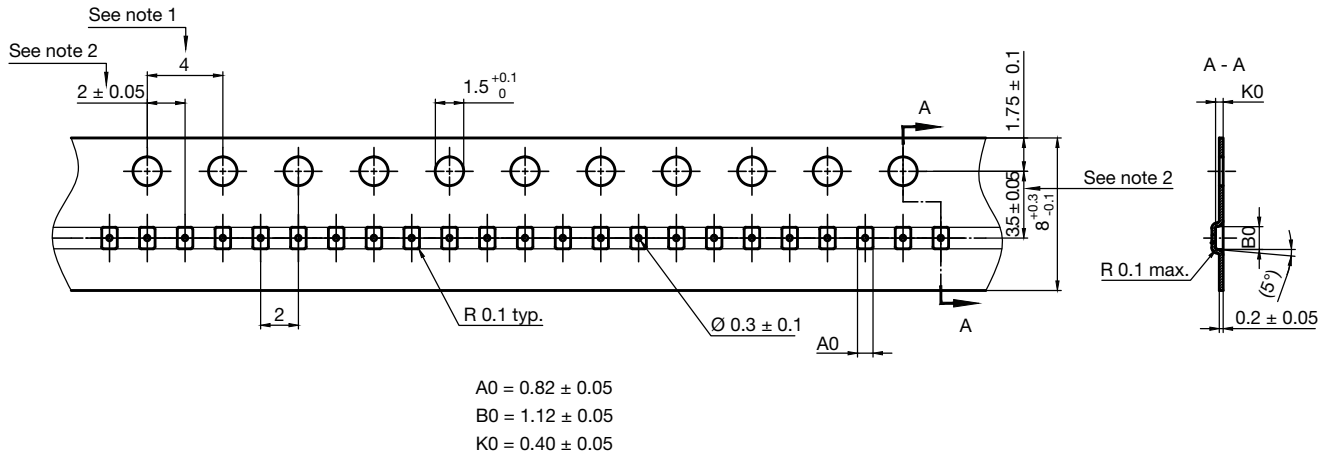


	Millimeters	
	min.	max.
A	0.25	0.29
A1	-	0.02
b	0.13	0.17
D	0.68	0.73
E	0.98	1.03
e	0.35	
L	0.23	0.27
Radius	0.075	
d	0.03	

foot print recommendation:



CARRIER TAPE in millimeters: CLP1007-5L



Notes:

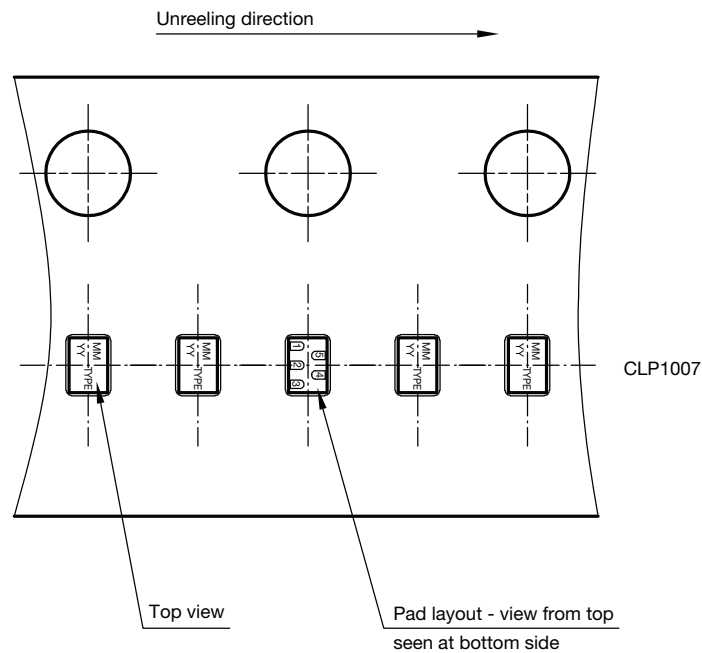
1. 10 Sprocket hole pitch cumulative tolerance ± 0.2
2. Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole
3. A0 and B0 are calculated on a plane at a distance "R" above the bottom of the pocket

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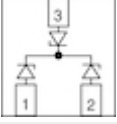
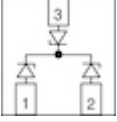
ORIENTATION IN CARRIER TAPE: CLP1007-5L














PROTECTION DIODES - TVS AND ESD PROTECTION - DFN1006-2A

Series	Product Image	Package (JEDEC®) Code	AEC-Q101 Qualified
VBUS03N1-HD1		DFN1006-2A	Yes
VBUS05N1-HD1		DFN1006-2A	Yes
VCUT0714BHD1		DFN1006-2A	Yes
VESD01C1-HD1 to VESD33C1-HD1		DFN1006-2A	Yes
VMMBZ16C1HD1 to VMMBZ33C1HD1		DFN1006-2A	Yes




PROTECTION DIODES - TVS AND ESD PROTECTION - DFN1110-3A

Series	Product Image	Package (JEDEC®) Code	AEC-Q101 Qualified
VBUS05M2-HT5	 The diagram shows a three-pin package. Pin 3 is at the top and contains a diode symbol pointing downwards. Pin 1 is at the bottom left and contains a diode symbol pointing upwards. Pin 2 is at the bottom right and contains a diode symbol pointing upwards. The cathodes of the two bottom diodes are connected to each other and to the anode of the top diode.	DFN1110-3A	Yes
VCAN24A2-HT5	 The diagram shows a three-pin package. Pin 3 is at the top and contains a diode symbol pointing downwards. Pin 1 is at the bottom left and contains a diode symbol pointing upwards. Pin 2 is at the bottom right and contains a diode symbol pointing upwards. The cathodes of the two bottom diodes are connected to each other and to the anode of the top diode.	DFN1110-3A	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - LLP1006-2L

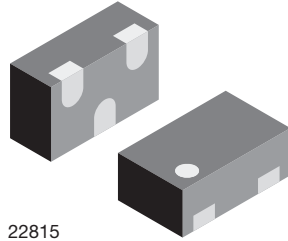
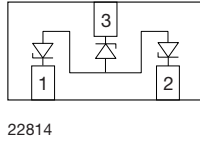
Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VCUT0505B-HD1		LLP1006-2L	5	0.1	7	3.5	56	18	± 20	1	No
VCUT0714A-HD1		LLP1006-2L	14	0.1	14.5	5.0	63	8	± 25	1	No
VCUT07B1-HD1		LLP1006-2L	7	0.1	7.3	4.0	60	14	± 30	1	No
VESD03A1B-HD1		LLP1006-2L	3.3	0.5	5	3.5	31	25	± 30	1	No
VESD03A1C-HD1		LLP1006-2L	3.3	1.0	5	9.5	95	78	± 30	1	No
VESD05A1A-HD1		LLP1006-2L	5	1.0	6	16.0	192	130	± 30	1	No
VESD05A1B-HD1		LLP1006-2L	5	0.1	6	3.0	33	19	± 30	1	No
VESD05A1C-HD1		LLP1006-2L	5	0.2	6	8.0	80	63	± 30	1	No
VESD12A1A-HD1		LLP1006-2L	12	0.1	13.5	8.0	200	54	± 30	1	No
VESD12A1C-HD1		LLP1006-2L	12	0.1	13.5	4.0	92	30	± 30	1	No
VESD15A1-HD1		LLP1006-2L	15	0.1	15.5	6.0	150	45	± 30	1	No

PROTECTION DIODES - TVS AND ESD PROTECTION - LLP1006-2M

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VBUS05L1-DD1		LLP1006-2M	5.5	0.05	7	2.0	34	0.33	± 15	1	No
VCUT03B1-DD1		LLP1006-2M	3.5	0.1	5.8	3.5	40	12.5	± 18	1	No
VCUT05B1-DD1		LLP1006-2M	5.5	0.1	6	3.0	38	10	± 30	1	No



2-Line Low Capacitance, Bidirectional and Symmetrical (BiSy) ESD Protection Diode - Flow Through Design



FEATURES

- Compact LLP1006-3L package
- Low package height < 0.4 mm
- 2-line ESD protection
- Low leakage current $I_R < 0.1 \mu A$
- Low capacitance: $C_D < 0.4 pF$
- Ideal for high speed data line like
 - HDMI, DisplayPort, eSATA
 - USB, 1394 / firewire
 - Thunderbolt
- ESD immunity acc. IEC 61000-4-2
 - $\pm 20 kV$ contact discharge
 - $\pm 20 kV$ air discharge
- Soldering can be checked by standard vision inspection, no X-ray necessary
- Pin plating NiPdAu (e4) no whisker growth
- e4 - precious metal (e.g. Ag, Au, NiPd, NiPdAu) (no Sn)



MARKING (example only)



Bar = cathode marking
 X = date code
 Y = type code (see table below)

ADDITIONAL RESOURCES



ORDERING INFORMATION			
DEVICE NAME	ORDERING CODE	TAPED UNITS PER REEL (8 mm TAPE ON 7" REEL)	MINIMUM ORDER QUANTITY
VBUS05M2-HT1	VBUS05M2-HT1-G4-08	8000	8000

PACKAGE DATA						
DEVICE NAME	PACKAGE NAME	TYPE CODE	WEIGHT	MOLDING COMPOUND FLAMMABILITY RATING	MOISTURE SENSITIVITY LEVEL	SOLDERING CONDITIONS
VBUS05M2-HT1	LLP1006-3L	5	0.72 mg	UL 94 V-0	MSL level 1 (according J-STD-020)	Peak temperature max. 260 °C

ABSOLUTE MAXIMUM RATINGS				
PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	Acc. IEC 61000-4-5; $t_p = 8/20 \mu s$; single shot	I_{PPM}	3.6	A
Peak pulse power	Acc. IEC 61000-4-5; $t_p = 8/20 \mu s$; single shot	P_{PP}	65	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 20	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 20	
Operating temperature	Junction temperature	T_J	-55 to +125	°C
Storage temperature		T_{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (pin 1 or pin 2 to pin 3; in both directions) ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)						
PARAMETER	TEST CONDITIONS/REMARKS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	2	lines
Reverse stand-off voltage	Max. reverse working voltage	V_{RWM}	-	-	5.5	V
Reverse voltage	At $I_R = 0.1\text{ }\mu\text{A}$	V_R	5.5	-	-	V
Reverse current	At $V_{RWM} = 5.5\text{ V}$	I_R	-	< 0.001	0.1	μA
Reverse breakdown voltage	At $I_R = 1\text{ mA}$	V_{BR}	7.5	8.5	9.5	V
Reverse clamping voltage	At $I_{PP} = 1\text{ A}$	V_C	-	11	13	V
	At $I_{PP} = I_{PPM} = 3.6\text{ A}$	V_C	-	15	18	V
Clamping voltage	Transmission line pulse (TLP), $t_p = 100\text{ ns}$ $I_{TLP} = 8\text{ A}$	V_{C-TLP}	-	19	-	V
	Transmission line pulse (TLP), $t_p = 100\text{ ns}$ $I_{TLP} = 16\text{ A}$	V_{C-TLP}	-	27	-	V
Dynamic resistance	Transmission line pulse (TLP), $t_p = 100\text{ ns}$	R_{DYN}	-	1	-	Ω
Capacitance	At $V_R = 0\text{ V}$; $f = 1\text{ MHz}$	C_D	-	0.35	0.4	pF
	At $V_R = 3.3\text{ V}$; $f = 1\text{ MHz}$		-	0.35	0.4	pF

APPLICATION NOTE

The VBUS05M2-HT1 is a two-line ESD protection device with a bidirectional and symmetrical (BiSy) breakdown and clamping performance made for application with a voltage working range up to $\pm 5.5\text{ V}$. The high ESD immunity and a very low capacitance makes it usable for high frequency applications like USB2.0, USB3.0, or HDMI.

With the VBUS05M2-HT1 two high speed data lines can be protected against transient voltage signals like ESD (electro static discharge). Connected to the data line (pin 1 and pin 2) and to ground (pin 3) negative transients will be clamped close above the 5.5 V working range.

FLOW THROUGH DESIGN

Modern digital transmission lines can be clocked up to 480 Mbit/s (USB2.0) or 1.65 Gbit/s (HDMI).

At such high data rates the transmission lines like cables or the line traces on the PCBs have to be very homogeneous regarding their surge impedance. This requires well defined trace dimensions as trace width and distance which have to be calculated depending on the requested surge impedance (e.g. $50\text{ }\Omega$) and the PCB material and layer dimensions. Any device connected to the data lines - like ESD protection devices - have to be connected with minimal changes in these trace dimensions and distances.

With the package in the so called "Flow Through Design" this is possible. The lines are running straight along the PCB while the **VBUS05M2-HT1** is placed on top without any via or loops.

SCHEMATIC DIAGRAM

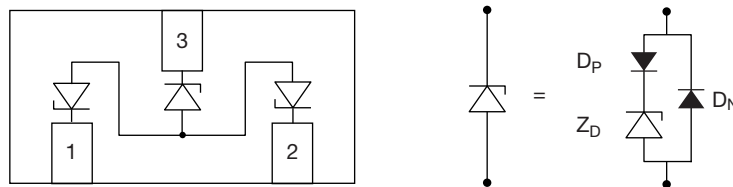


Fig. A

The simplified schematic diagram in Fig. A shows three identical Z-diodes with the cathode on pin 1, 2, or 3 and common anodes. In reality each Z-diode consist of one Z-diode for the adjustment of the breakdown voltage, and two low capacitance switching diodes which provide the low capacitance. Positive transients will be clamped through the switching diode D_P and the Z-diode Z_D while negative transients will be clamped through the switching diode D_N .

TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

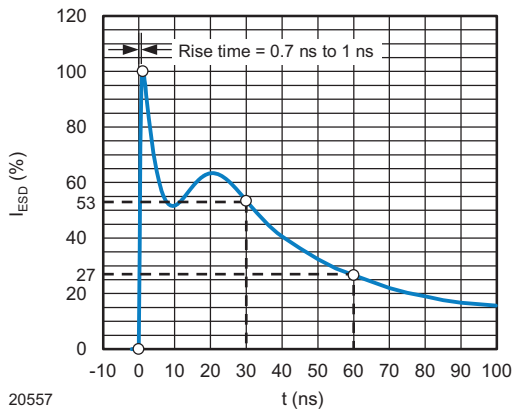


Fig. 1 - ESD Discharge Current Wave Form
acc. IEC 61000-4-2 (330 Ω /150 pF)

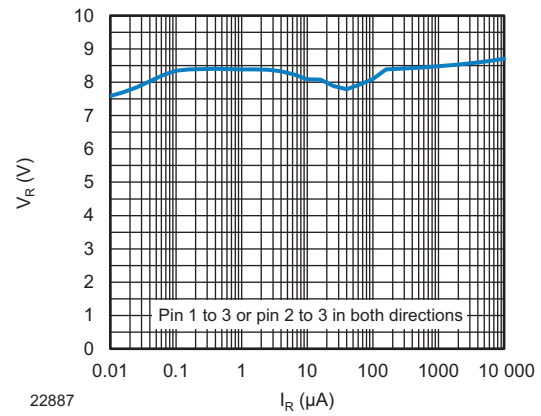


Fig. 4 - Typical Reverse Voltage vs. Reverse Current

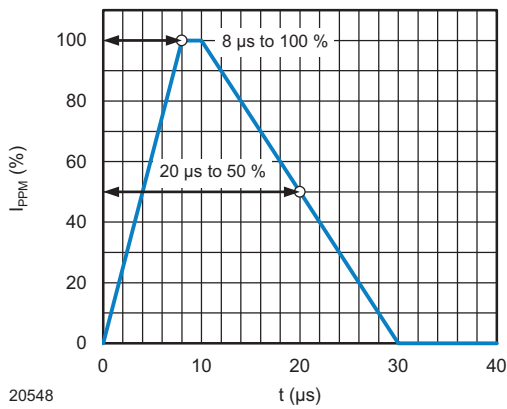


Fig. 2 - 8/20 μs Peak Pulse Current Wave Form
acc. IEC 61000-4-5

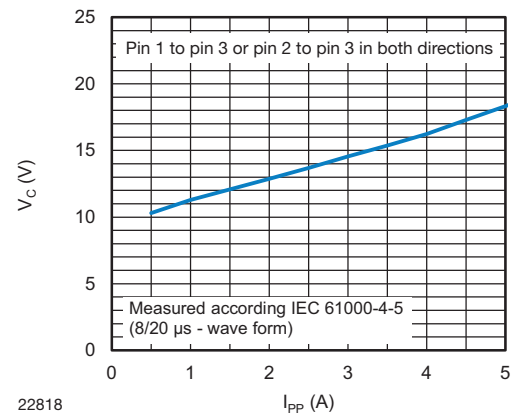


Fig. 5 - Typical Peak Clamping Voltage vs. Peak Pulse Current

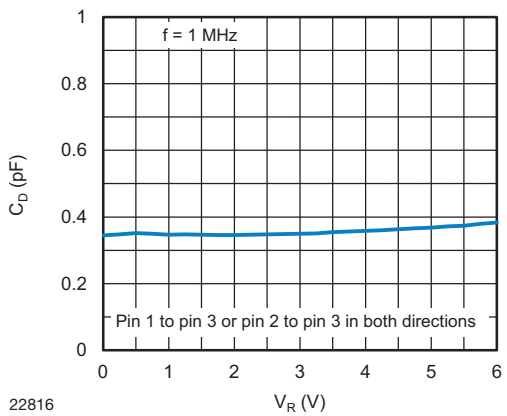


Fig. 3 - Typical Capacitance vs. Reverse Voltage

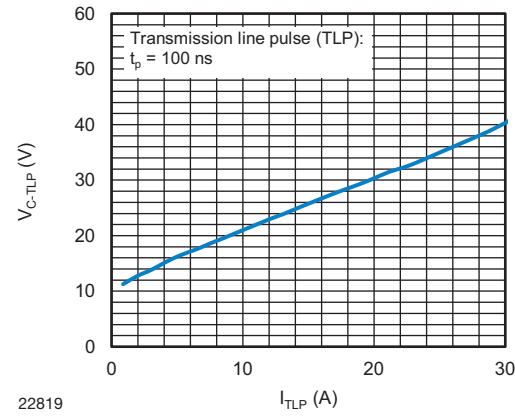


Fig. 6 - Typical Peak Forward Voltage vs. Forward Current

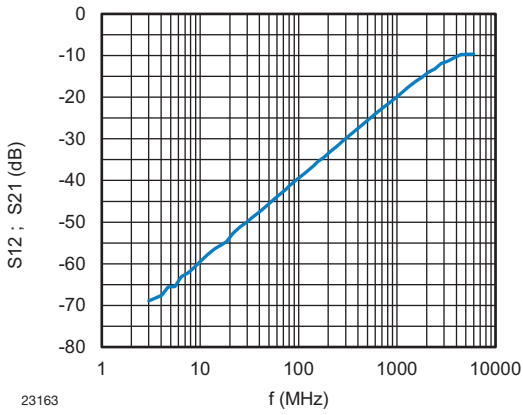


Fig. 7 - Isolation Between Both Channels

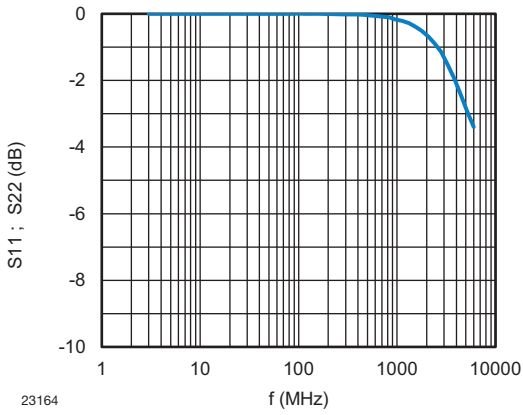
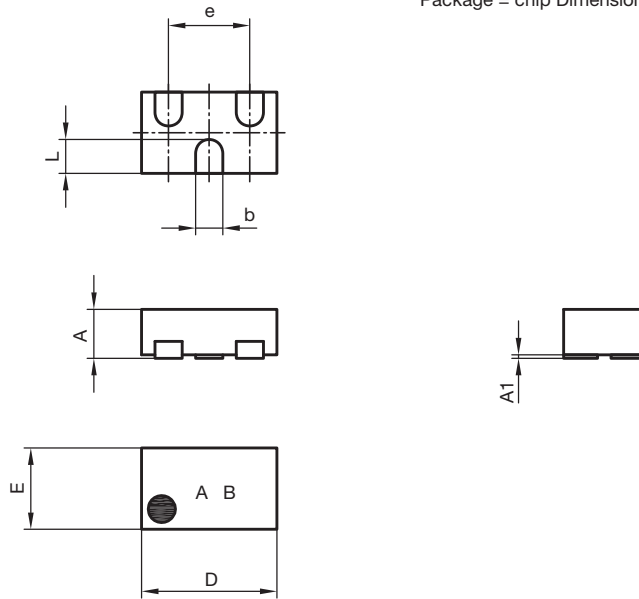


Fig. 8 - Typical Insertion Loss

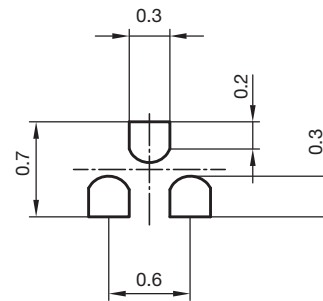
PACKAGE DIMENSIONS in millimeters: **LLP1006-3L**

Package = chip Dimensions in mm

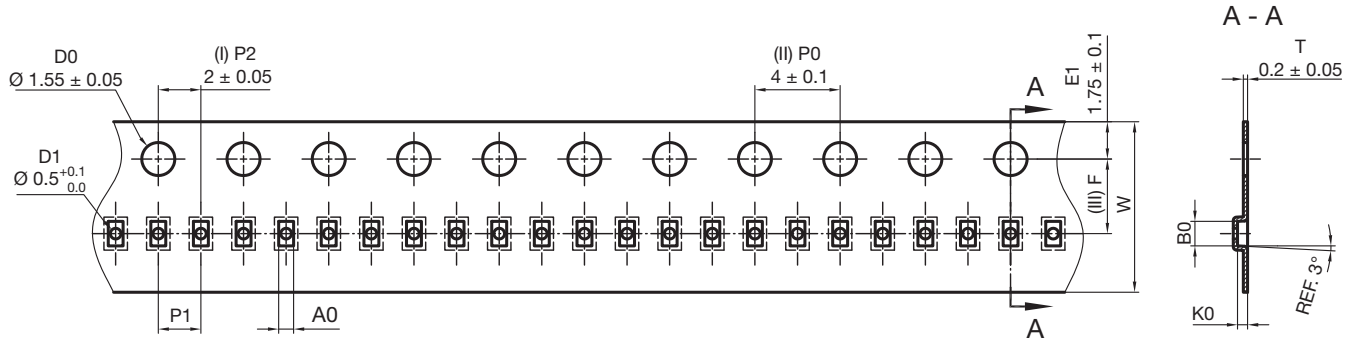


	Millimeters	
	Min.	Max.
D	0.95	1.05
E	0.55	0.65
A	0.33	0.40
A1	0	0.05
b	0.2	
L	0.20	0.30
e	0.6	

Foot print recommendation:



CARRIER TAPE in millimeters: LLP1006



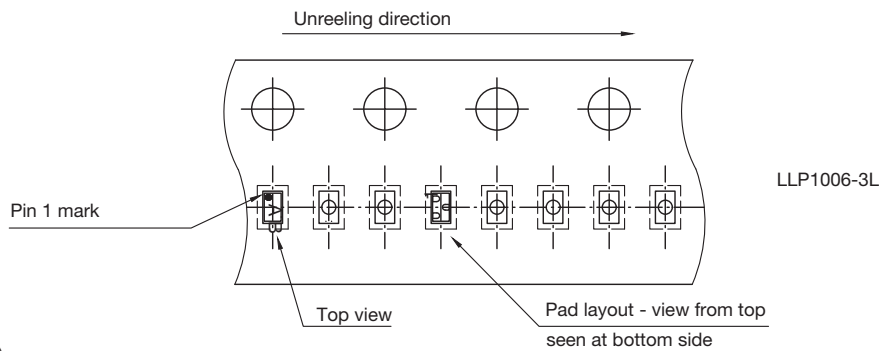
Notes

- (I) Measured from centreline of sprocket hole to centreline of pocket
- (II) Cumulative tolerance of 10 sprocket hole is ± 0.20
- (III) Measured from centreline of sprocket hole to centreline of pocket
- (IV) Other material available

	Millimeters
A0	0.70 ± 0.05
B0	1.15 ± 0.05
K0	0.47 ± 0.05
F	3.50 ± 0.05
P1	2.00 ± 0.1
W	8.00 ± 0.1

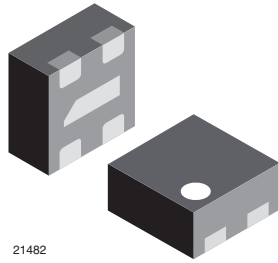
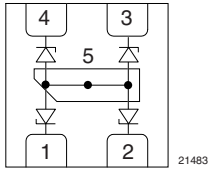
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 Created - Date: 12-Sep-2007
 22823

ORIENTATION IN CARRIER TAPE: LLP1006-3L



Doc. no. S8-V-3906.04-017 (4)
 Created - Date: 02-May-2017
 22821

4-Line BUS-Port ESD Protection

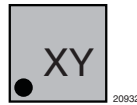


FEATURES

- Ultra compact LLP1010-5L package
- Low package profile < 0.4 mm
- 4-line ESD protection
- Low leakage current
- Low load capacitance $C_D = 0.8 \text{ pF}$
- ESD immunity acc. IEC 61000-4-2
± 15 kV contact discharge
± 15 kV air discharge
- Pin plating NiPdAu (e4) no whisker growth



MARKING (example only)



Dot = pin 1 marking
X = date code
Y = type code (see table below)

DESIGN SUPPORT TOOLS

[click logo to get started](#)



ORDERING INFORMATION			
DEVICE NAME	ORDERING CODE	TAPED UNITS PER REEL (8 mm TAPE ON 7" REEL)	MINIMUM ORDER QUANTITY
VBUS054DD-HF4	VBUS054DD-HF4-GS08	5000	5000

PACKAGE DATA						
DEVICE NAME	PACKAGE NAME	TYPE CODE	WEIGHT	MOLDING COMPOUND FLAMMABILITY RATING	MOISTURE SENSITIVITY LEVEL	SOLDERING CONDITIONS
VBUS054DD-HF4	LLP1010-5L	C	1.07 mg	UL 94 V-0	MSL level 1 (according J-STD-020)	Peak temperature max. 260 °C

ABSOLUTE MAXIMUM RATINGS VBUS054DD-HF4				
PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	Pin 1, 2, 3 or 4 to pin 5 acc. IEC 61000-4-5; $t_p = 8/20 \mu\text{s}$; single shot	I_{PPM}	3	A
Peak pulse power	Pin 1, 2, 3 or 4 to pin 5 acc. IEC 61000-4-5; $t_p = 8/20 \mu\text{s}$; single shot	P_{PP}	57	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 15	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	-40 to +125	°C
Storage temperature		T_{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS VBUS054DD-HF4 (Pin 1, 2, 3, or 4 to pin 5)						
PARAMETER	TEST CONDITIONS/REMARKS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	4	lines
Reverse stand-off voltage	Max. reverse working voltage	V_{RWM}	-	-	5	V
Reverse voltage	at $I_R = 0.1 \mu A$	V_R	5	-	-	V
Reverse current	at $V_{IN} = V_{RWM} = 5 V$	I_R	-	< 0.01	0.1	μA
Reverse breakdown voltage	at $I_R = 1 mA$	V_{BR}	6.9	8	8.7	V
Reverse clamping voltage	at $I_{PP} = 3 A$ acc. IEC 61000-4-5	V_C	-	16	19	V
Forward clamping voltage	at $I_F = 12 A$ acc. IEC 61000-4-5	V_F	-	3.5	4.5	V
Capacitance	$V_{IN} = 0 V$	C_D	-	0.8	1	pF
	$V_{IN} = 2.5 V$	C_D	-	0.5	0.8	pF
Line symmetry	Difference of the line capacitances	dC_D	-	-	0.05	pF

Note

- $T_{amb} = 25 \text{ }^\circ C$, unless otherwise specified

TYPICAL CHARACTERISTICS ($T_{amb} = 25 \text{ }^\circ C$, unless otherwise specified)

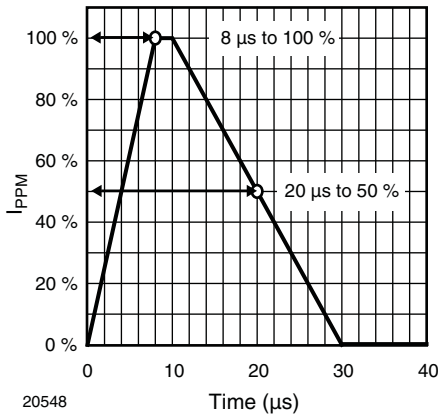


Fig. 1 - 8/20 μs Peak Pulse Current Wave Form acc. IEC 61000-4-5

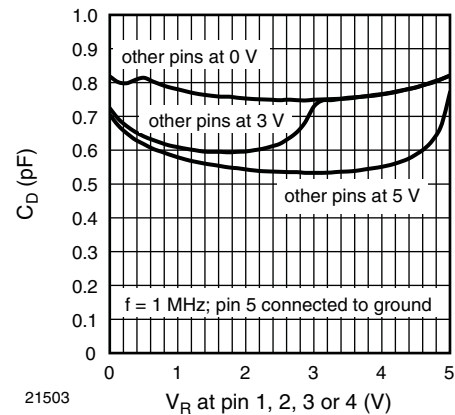


Fig. 3 - Typical Capacitance C_D vs. Reverse Voltage V_R

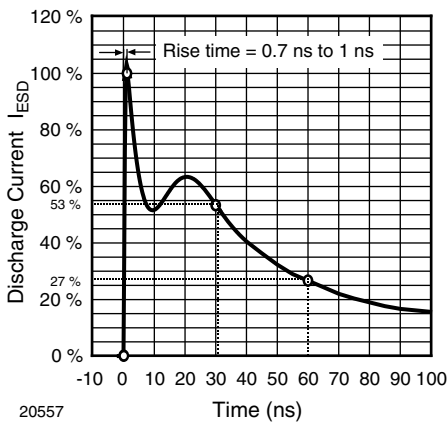


Fig. 2 - ESD Discharge Current Wave Form acc. IEC 61000-4-2 (330 Ω /150 pF)

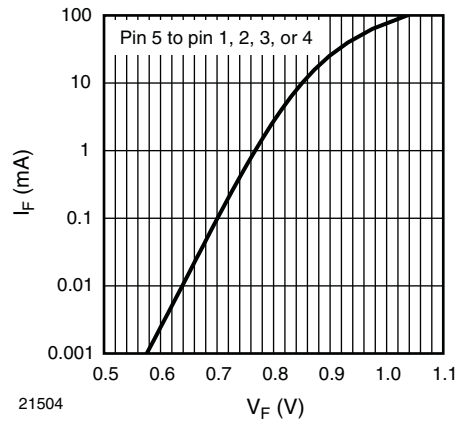


Fig. 4 - Typical Forward Current I_F vs. Forward Voltage V_F

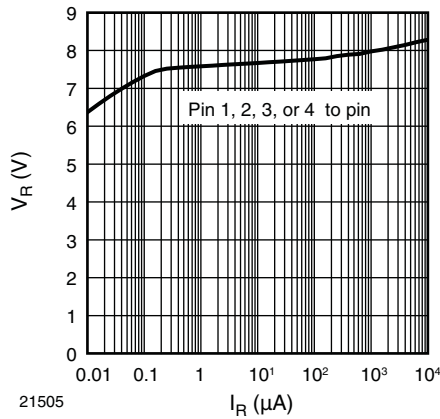


Fig. 5 - Typical Reverse Voltage V_R vs. Reverse Current I_R

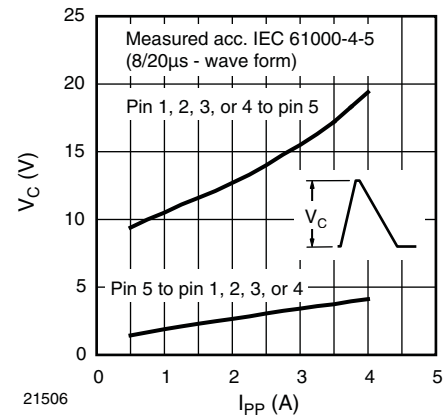
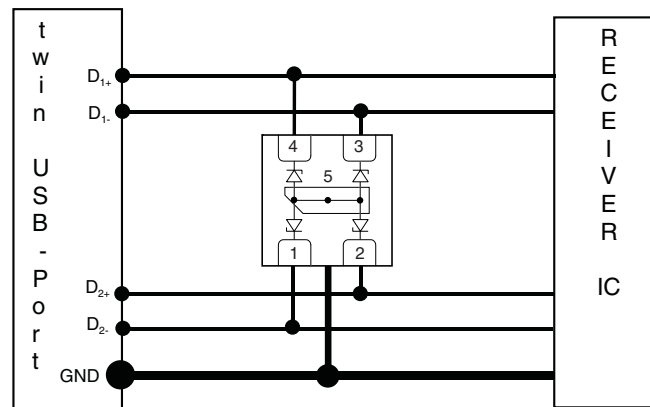


Fig. 6 - Typical Peak Clamping Voltage V_C vs. Peak Pulse Current I_{PP}

APPLICATION NOTE

With the VBUS054DD-HF4 a double, high speed USB-port or up to 4 other high speed signal or data lines can be protected against transient voltage signals. Negative transients will be clamped close below the ground level while positive transients will be clamped close above the 5 V working range. The high speed data lines, D_{1+} , D_{2+} , D_{1-} and D_{2-} , are connected to pin 1, 2, 3, and 4, pin 5 is connected to ground. As long as the signal voltage on the data lines is between the ground- and the breakthrough-level, the low input capacitance of each channel offer a very high isolation to ground and to the other data lines. But as soon as any transient signal exceeds this working range, the VBUS054DD-HF4 clamps the transient to ground or to the avalanche breakthrough voltage level.



21507

BACKGROUND KNOWLEDGE

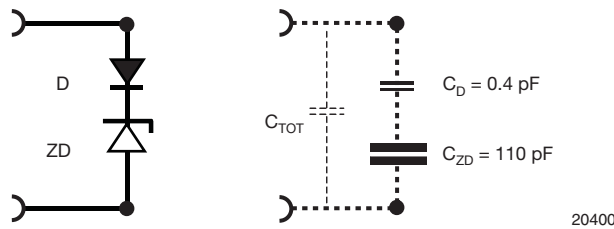
A zener- or avalanche diode is an ideal device for “cutting” or “clamping” voltage spikes or voltage transients down to low and uncritical voltage values. The breakthrough voltage can easily be adjusted by the chip-technology to any desired value within a wide range. Up to about 6 V the “zener-effect” (tunnel-effect) is responsible for the breakthrough characteristic. Above 6 V the so-called “avalanche-effect” is responsible. This is a more abrupt breakthrough phenomenon. Because of the typical “Z-shape” of the current-voltage-curve of such diodes, these diodes are generally called “Z-diode” (= zener or avalanche diodes). An equally important parameter for a protection diode is the ESD- and surge-power that allows the diode to short current in the pulse to ground without being destroyed.

This requirement can be adjusted by the size of the silicon chip (crystal). The bigger the active area the higher the current that the diode can short to ground.

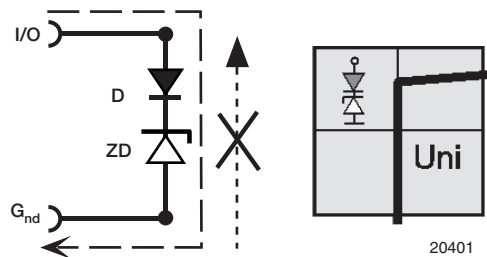
But the active area is also responsible for the diode capacitance - the bigger the area the higher the capacitance.

The dilemma is that a lot of applications require an effective protection against more than 8 kV ESD while the capacitance must be lower than 5 pF! This is well out of the normal range of a Z-diode. However, a protection diode with a low capacitance PN-diode (switching diode or junction diode) in series with a Z-diode, can fulfil both requirements simultaneously: low capacitance AND high ESD- and/or surge immunity become possible!

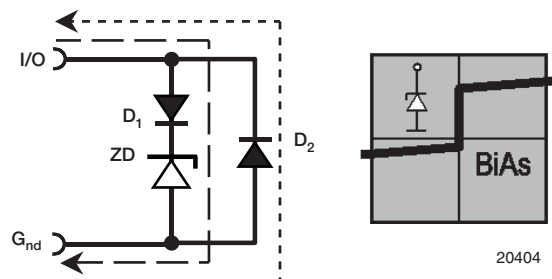
A small signal ($V_{pp} < 100$ mV) just sees the low capacitance of the PN-diode, while the big capacitance of the Z-diode in series remains “invisible”.



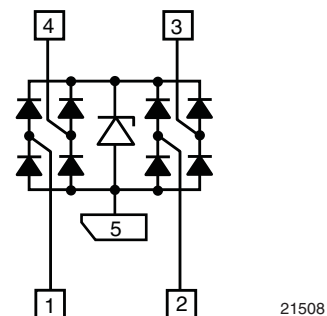
Such a constellation with a Z-diode and a small PN-diode (with low capacitance) in series (anti-serial) is a real unidirectional protection device. The clamping current can only flow in one direction (forward) in the PN-diode. The reverse path is blocked.



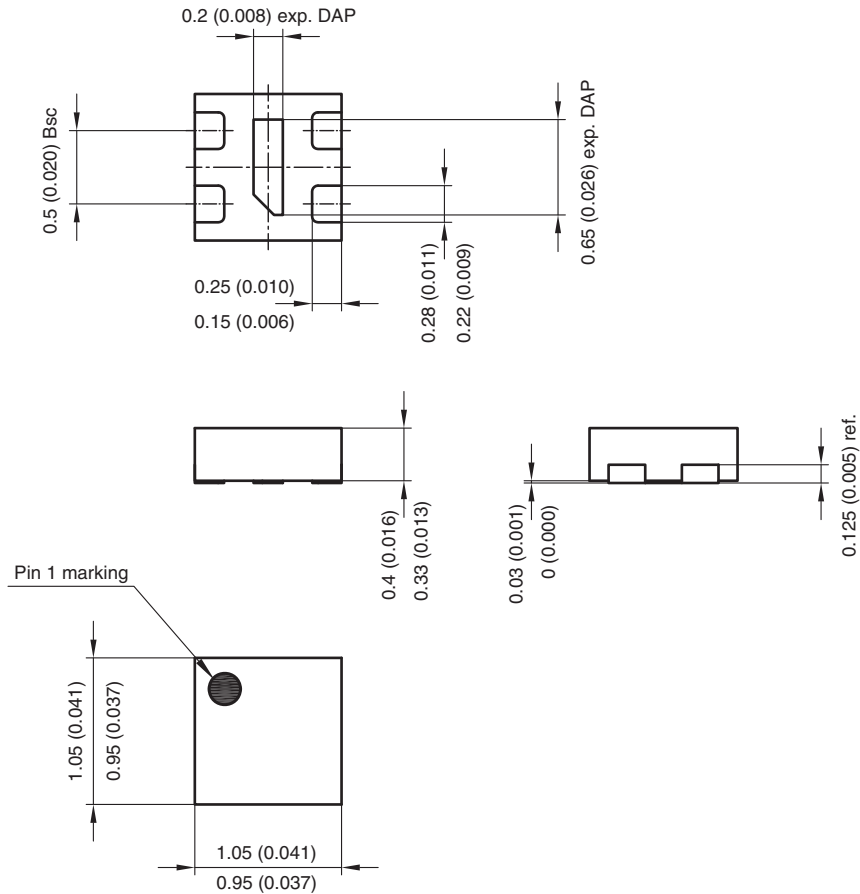
Another PN-diode “opens” the back path so that the protection device becomes bidirectional! Because the clamping voltage levels in forward and reverse directions are different, such a protection device has a **B**idirectional and **A**symmetrical clamping behaviour (**BiAs**) just like a single Z-diode.



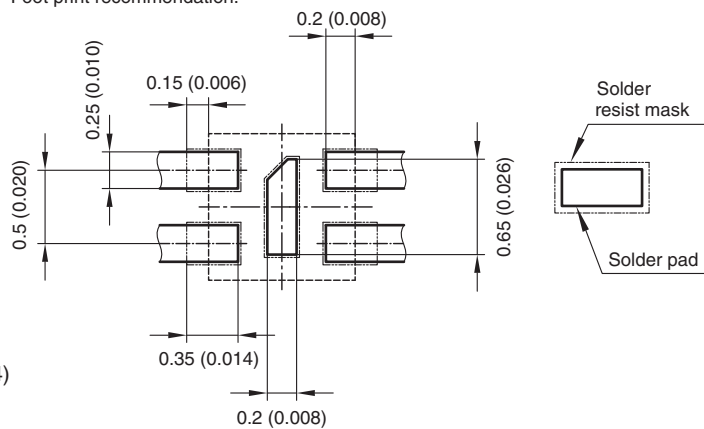
The VBUS054DD-HF4 offers four inputs with such protection circuit inside.



PACKAGE DIMENSIONS in millimeters (inches): **LLP1010-5L**

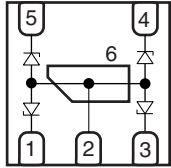


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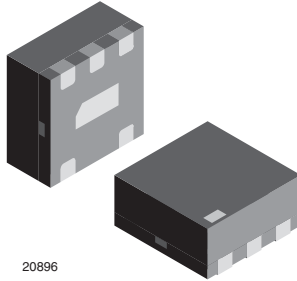


Document no.: S8-V-3906.04-007 (4)
Created - Date: 15. April. 2008
Rev. 3 - Date: 11. May. 2016
21380

4-Line BUS-Port ESD Protection



20897



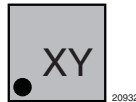
20896

FEATURES

- Ultra compact LLP1010-6M package
- Low package height < 0.4 mm
- 4-line USB ESD protection
- Low leakage current
- Low load capacitance $C_D = 0.8$ pF
- ESD immunity acc. IEC 61000-4-2
± 15 kV contact discharge
± 15 kV air discharge
- Pin plating NiPdAu (e4) no whisker growth



MARKING (example only)



Dot = pin 1 marking
 X = date code
 Y = type code (see table below)

DESIGN SUPPORT TOOLS

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ORDERING INFORMATION			
DEVICE NAME	ORDERING CODE	TAPED UNITS PER REEL (8 mm TAPE ON 7" REEL)	MINIMUM ORDER QUANTITY
VBUS54DD-HS4	VBUS54DD-HS4-G4-08	5000	5000

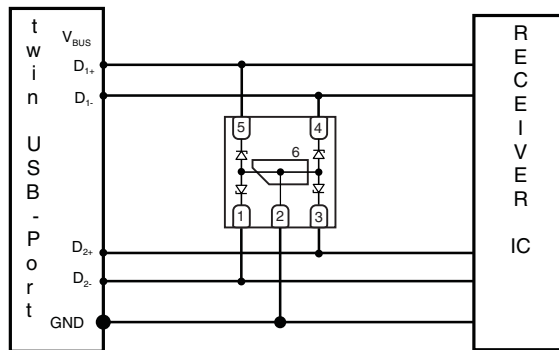
PACKAGE DATA						
DEVICE NAME	PACKAGE NAME	TYPE CODE	WEIGHT	MOLDING COMPOUND FLAMMABILITY RATING	MOISTURE SENSITIVITY LEVEL	SOLDERING CONDITIONS
VBUS54DD-HS4	LLP1010-6M	D	1.07 mg	UL 94 V-0	MSL level 1 (according J-STD-020)	Peak temperature max. 260 °C

ABSOLUTE MAXIMUM RATINGS VBUS54DD-HS4				
PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	Pin 1, 3, 4 or 5 to pin 2 or 6 acc. IEC 61000-4-5; $t_p = 8/20$ μ s; single shot	I_{PPM}	3	A
Peak pulse power	Pin 1, 3, 4 or 5 to pin 2 or 6 acc. IEC 61000-4-5; $t_p = 8/20$ μ s; single shot	P_{PP}	57	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 15	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	-40 to +125	°C
Storage temperature		T_{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS VBUS54DD-HS4 (Pin 1, 3, 4, or 5 to pin 2 or 6) ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)						
PARAMETER	TEST CONDITIONS/REMARKS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	4	lines
Reverse stand-off voltage		V_{RWM}	-	-	5.5	V
Reverse current	at $V_{IN} = V_{RWM} = 5.5\text{ V}$	I_R	-	< 0.01	0.1	μA
Reverse breakdown voltage	at $I_R = 1\text{ mA}$	V_{BR}	6.9	8	8.7	V
Reverse clamping voltage	at $I_{PP} = 3\text{ A}$ acc. IEC 61000-4-5	V_C	-	16	19	V
Forward clamping voltage	at $I_F = 3\text{ A}$ acc. IEC 61000-4-5	V_F	-	3.5	4.5	V
Capacitance	$V_{IN} = 0\text{ V}$; any other I/O pin at 3.3 V	C_D	-	0.8	1	pF
	$V_{IN} = 2.5\text{ V}$; any other I/O pin at 3.3 V		-	0.5	0.8	pF

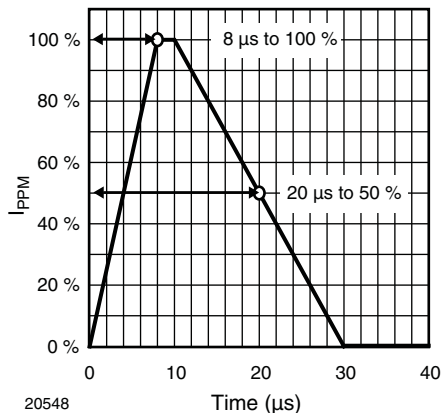
APPLICATION NOTE

With the **VBUS54DD-HS4** a double, high speed USB-port or up to 4 other high speed signal or data lines can be protected against transient voltage signals. Negative transients will be clamped close below the ground level while positive transients will be clamped close above the working range. The high speed data lines, D_{1+} , D_{2+} , D_{1-} and D_{2-} , are connected to pin **1, 3, 4, and 5**, pin **2 or 6** are connected to ground. As long as the signal voltage on the data lines is between the ground- and the break down level, the low input capacitance of each channel offers a very high isolation to ground and to the other data lines. But as soon as any transient signal exceeds this working range, the VBUS54DD-HS4 clamps the transient to ground or to the avalanche break down voltage level.



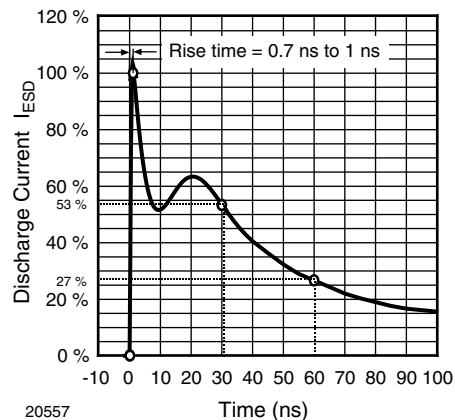
20897-1

TYPICAL CHARACTERISTICS $T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified



20548

Fig. 1 - 8/20 μs Peak Pulse Current Wave Form acc. IEC 61000-4-5



20557

Fig. 2 - ESD Discharge Current Wave Form acc. IEC 61000-4-2 (330 Ω /150 pF)

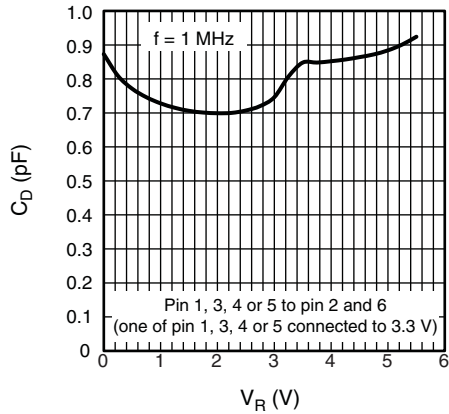


Fig. 3 - Typical Capacitance C_D vs. Reverse Voltage V_R

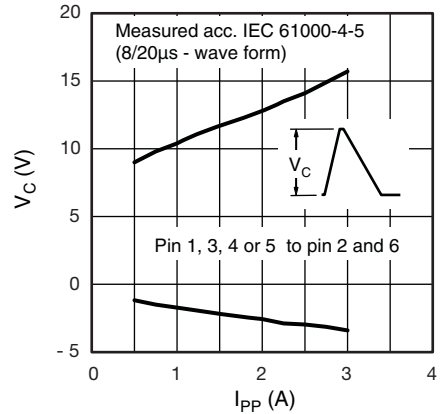


Fig. 6 - Typical Peak Clamping Voltage V_C vs. Peak Pulse Current I_{PP}

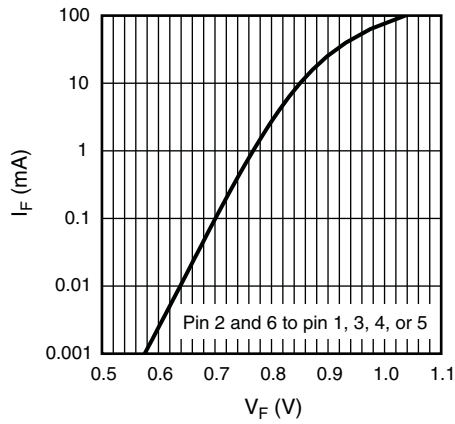


Fig. 4 - Typical Forward Current I_F vs. Forward Voltage V_F

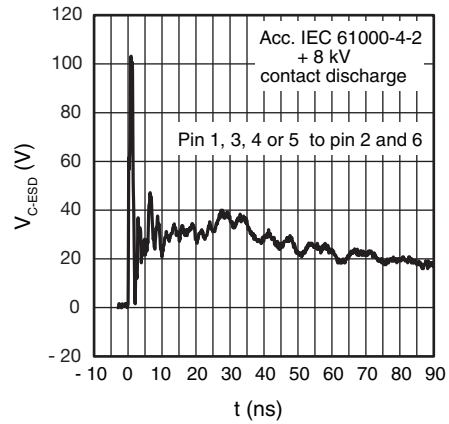


Fig. 7 - Typical Clamping Performance at +8 kV Contact Discharge (acc. IEC 61000-4-2)

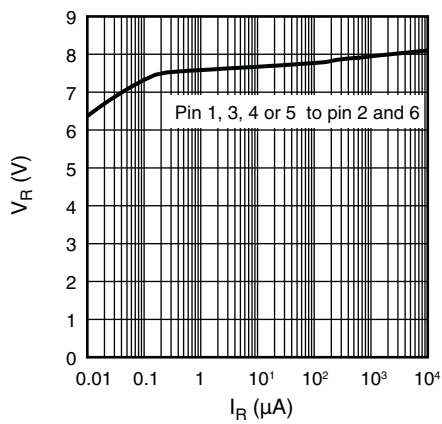


Fig. 5 - Typical Reverse Voltage V_R vs. Reverse Current I_R

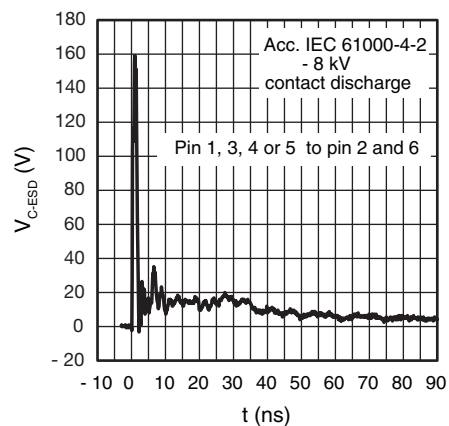
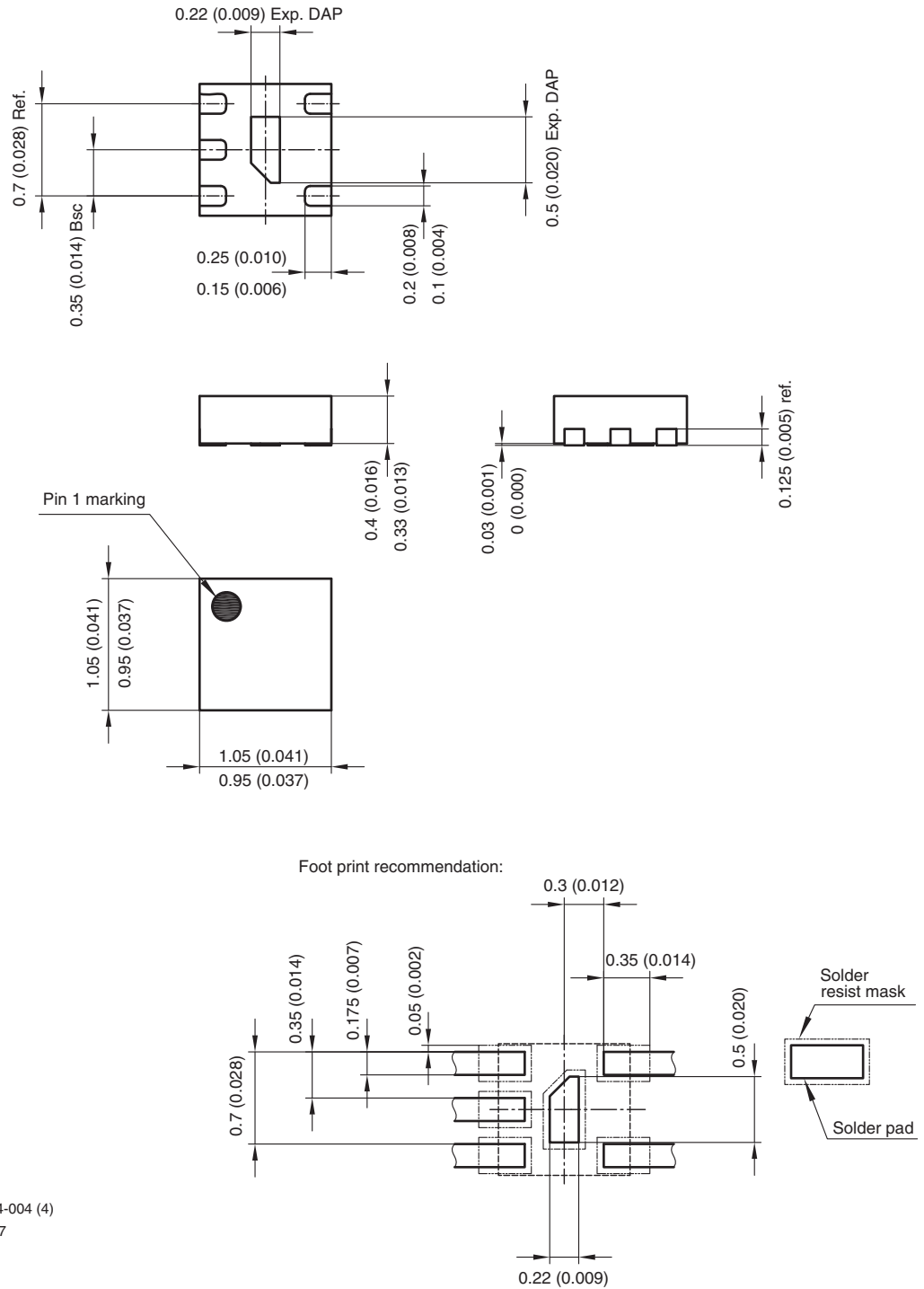


Fig. 8 - Typical Clamping Performance at -8 kV Contact Discharge (acc. IEC 61000-4-2)

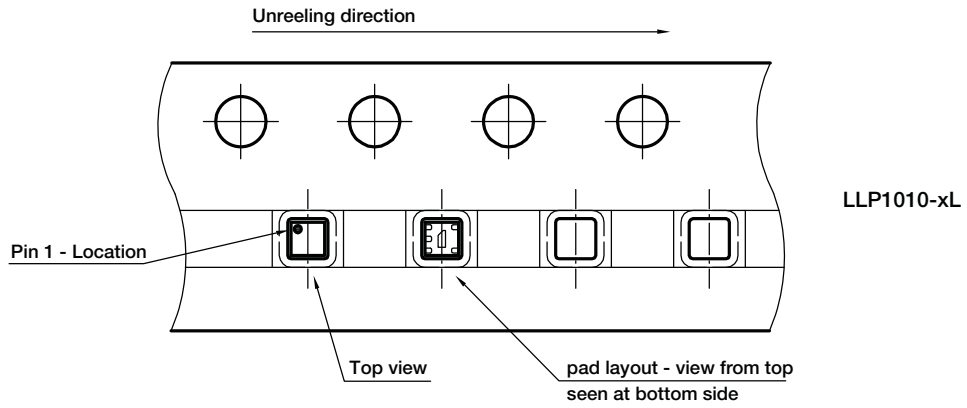


PACKAGE DIMENSIONS in millimeters (inches): **LLP1010-6M**



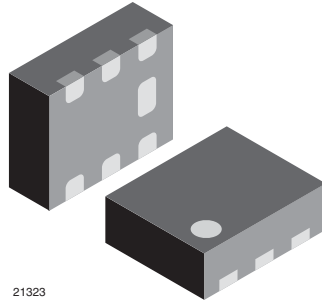
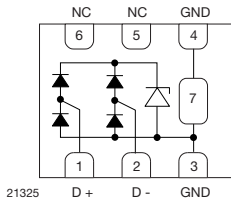
Document no.:S8-V-3906.04-004 (4)
Created - Date: 17.July.2007
Rev. 5 - Date: 11.May.2016
20899

ORIENTATION IN CARRIER TAPE - LLP1010-xL



Document no.: S8-V-3906.04-015 (4)
Created - Date: 11.Jun. 2008
Rev. 4 - Date: 28. Jan. 2010
22669

2-Line BUS-Port ESD Protection - Flow Through Design



FEATURES

- Compact LLP1713-7L package
- Low package height < 0.6 mm
- 2-line ESD protection
- Low leakage current $I_R < 0.1 \mu A$
- Low load capacitance $C_D = 0.8 \text{ pF}$
- Ideal for high speed data line like
 - HDMI, DisplayPort, eSATA
 - USB, 1394/firewire
- ESD immunity acc. IEC 61000-4-2
 - $\pm 15 \text{ kV}$ contact discharge
 - $\pm 15 \text{ kV}$ air discharge
- Soldering can be checked by standard vision inspection; no X-ray necessary
- e4 - precious metal (e.g. Ag, Au, NiPd, NiPdAu) (no Sn)



MARKING (example only)



Dot = pin 1 marking
 Y = type code (see table below)
 XX = date code

ADDITIONAL RESOURCES



ORDERING INFORMATION			
DEVICE NAME	ORDERING CODE	TAPED UNITS PER REEL (8 mm TAPE ON 7" REEL)	MINIMUM ORDER QUANTITY
VBUS052CD-FAH	VBUS052CD-FAH-GS08	3000	15 000

PACKAGE DATA						
DEVICE NAME	PACKAGE NAME	TYPE CODE	WEIGHT	MOLDING COMPOUND FLAMMABILITY RATING	MOISTURE SENSITIVITY LEVEL	SOLDERING CONDITIONS
VBUS052CD-FAH	LLP1713-7L	G	3.7 mg	UL 94 V-0	MSL level 1 (according J-STD-020)	Peak temperature max. 260 °C

ABSOLUTE MAXIMUM RATINGS VBUS052CD-FAH				
PARAMETER	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	Acc. IEC 61000-4-5; $t_p = 8/20 \mu s$; single shot	I_{PPM}	3.5	A
Peak pulse power	Acc. IEC 61000-4-5; $t_p = 8/20 \mu s$; single shot	P_{PP}	63	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 15	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 15	kV
Operating temperature	Junction temperature	T_J	-40 to +125	°C
Storage temperature		T_{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS VBUS052CD-FAH (pin 1 or 2 to pin 3, 4 or 7)						
($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)						
PARAMETER	TEST CONDITIONS/REMARKS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Protection paths	Number of line which can be protected	$N_{channel}$	-	-	2	lines
Reverse stand-off voltage	Max. reverse working voltage	V_{RWM}	-	-	5	V
Reverse voltage	at $I_R = 0.1\text{ }\mu\text{A}$	V_R	5	-	-	V
Reverse current	at $V_{RWM} = 5\text{ V}$	I_R	-	< 0.01	0.1	μA
Reverse breakdown voltage	at $I_R = 1\text{ mA}$	V_{BR}	6.9	7.9	8.7	V
Reverse clamping voltage	at $I_{PP} = 1\text{ A}$	V_C	-	10	12	V
	at $I_{PP} = I_{PPM} = 3.5\text{ A}$	V_C	-	15	18	V
Forward clamping voltage	at $I_F = 1\text{ A}$	V_F	-	1.9	2.4	V
	at $I_{PP} = I_{PPM} = 3.5\text{ A}$	V_F	-	4	5	V
Capacitance	at $V_R = 0\text{ V}$; $f = 1\text{ MHz}$	C_D	-	0.8	1	pF

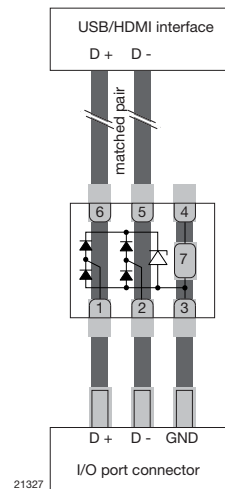
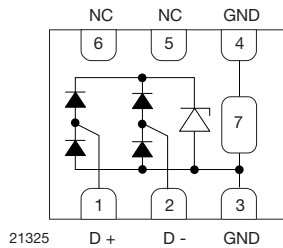
APPLICATION NOTE

The VBUS052CD-FAH is a two-line ESD protection device with the characteristic of a Z-diode with a high ESD immunity and a very low capacitance which makes it usable for high frequency applications like USB2.0 or HDMI.

With the VBUS052CD-FAH two high speed data lines can be protected against transient voltage signals like ESD (electro static discharge). Connected to the data line (pin 1 and pin 2) and to ground (pin 3) negative transients will be clamped close below the ground level while positive transients will be clamped close above the 5 V working range. The clamping behavior of the VBUS052CD-FAH is bidirectional but asymmetrical (BiAs) and so it offers the best protection for applications running up to 5 V.

Pin configuration:

- Pin 3, 4 and 7 are internally shorted and have to be connected to ground
- Pin 1 and 2 are the inputs for the data lines D_+ and D_- .
- Pin 5 and 6 are not connected internally



FLOW THROUGH DESIGN

Modern digital transmission lines can be clocked up to 480 Mbit/s (USB2.0) or 1.65 Gbit/s (HDMI).

At such high data rates the transmission lines like cables or the line traces on the PCBs have to be very homogeneous regarding their surge impedance. This requires well defined trace dimensions as trace width and distance which have to be calculated depending on the requested surge impedance (e.g. $50\text{ }\Omega$) and the PCB material and layer dimensions. Any device connected to the data lines - like ESD protection devices - have to be connected with minimal changes in these trace dimensions and distances.

With the package in the so called "Flow Through Design" this is possible. The lines are running straight along the PCB while the VBUS052CD-FAH is placed on top without any vias or loops.

TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

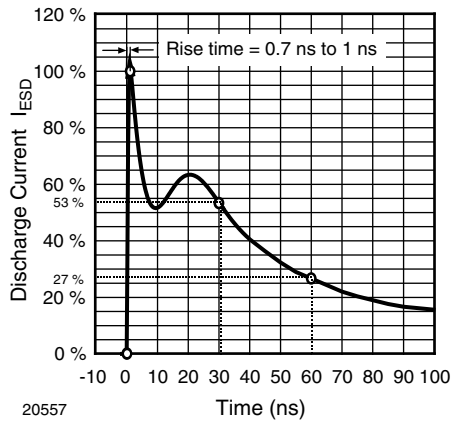


Fig. 1 - ESD Discharge Current Wave Form acc. IEC 61000-4-2 (330 Ω /150 pF)

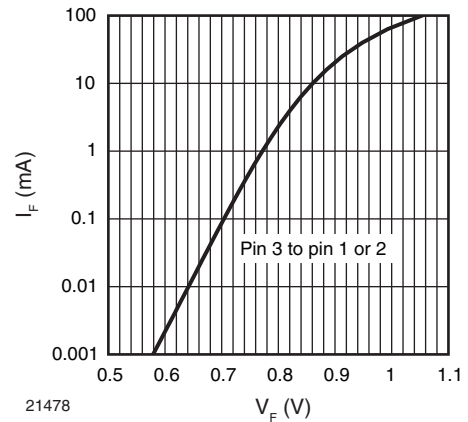


Fig. 4 - Typical Forward Current I_F vs. Forward Voltage V_F

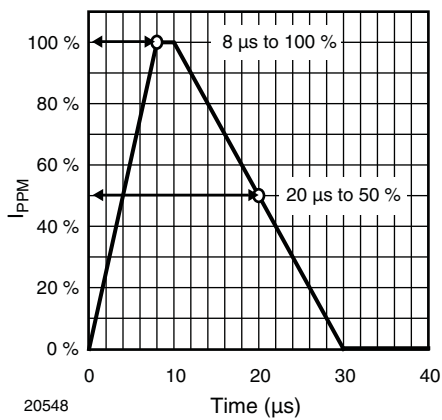


Fig. 2 - 8/20 μs Peak Pulse Current Wave Form acc. IEC 61000-4-5

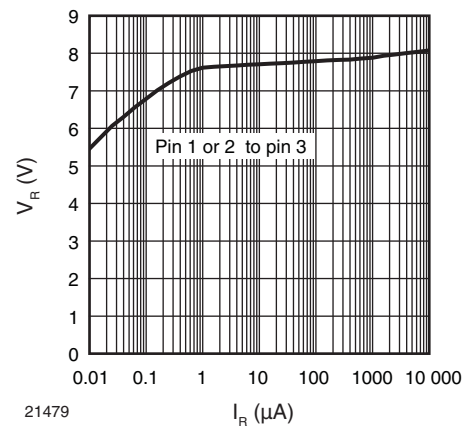


Fig. 5 - Typical Reverse Voltage V_R vs. Reverse Current I_R

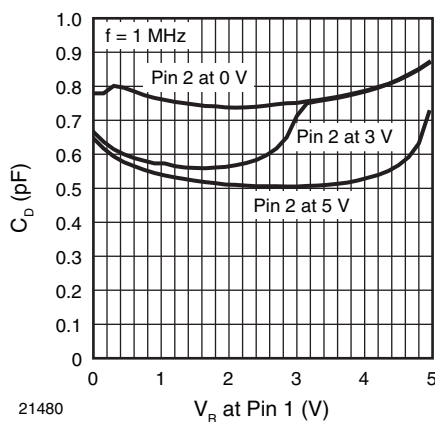


Fig. 3 - Typical Capacitance C_D vs. Reverse Voltage V_R

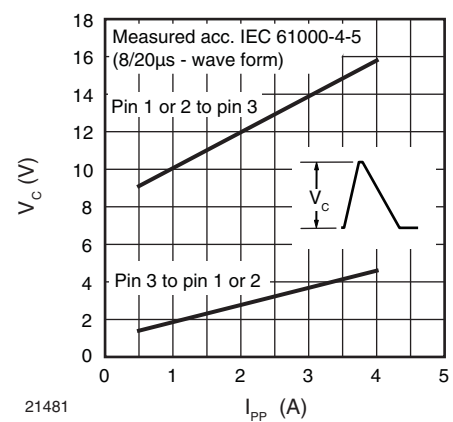


Fig. 6 - Typical Peak Clamping Voltage V_C vs. Peak Pulse Current I_{PP}

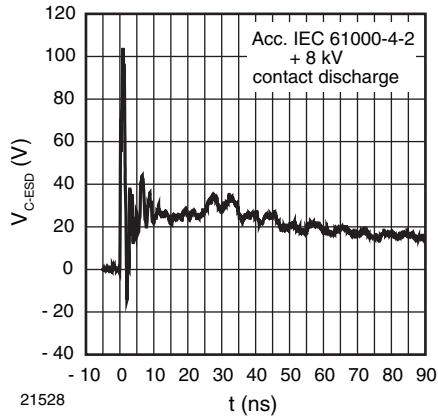


Fig. 7 - Typical Clamping Performance at + 8 kV Contact Discharge (acc. IEC 61000-4-2)

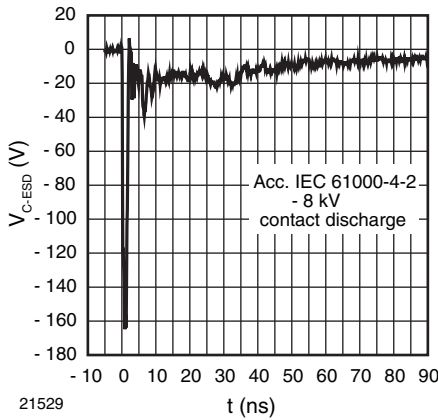


Fig. 8 - Typical Clamping Performance at - 8 kV Contact Discharge (acc. IEC 61000-4-2)

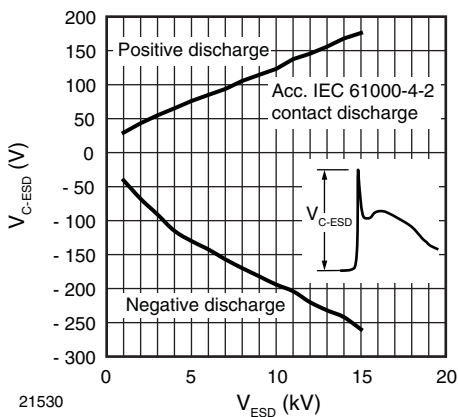
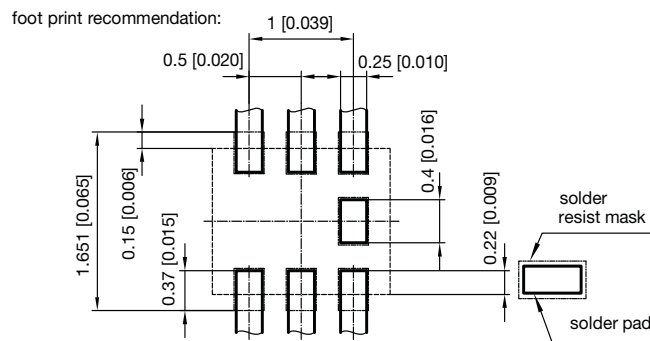
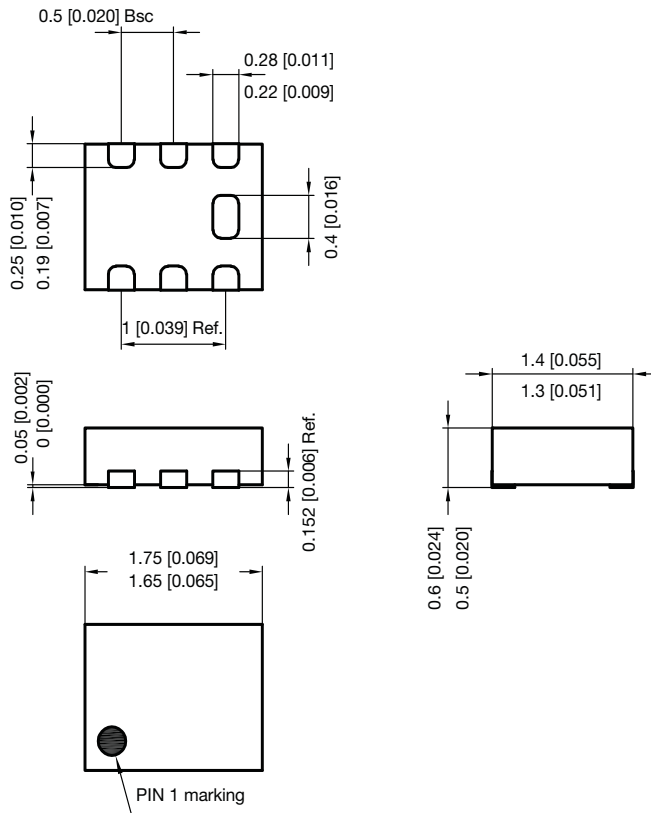
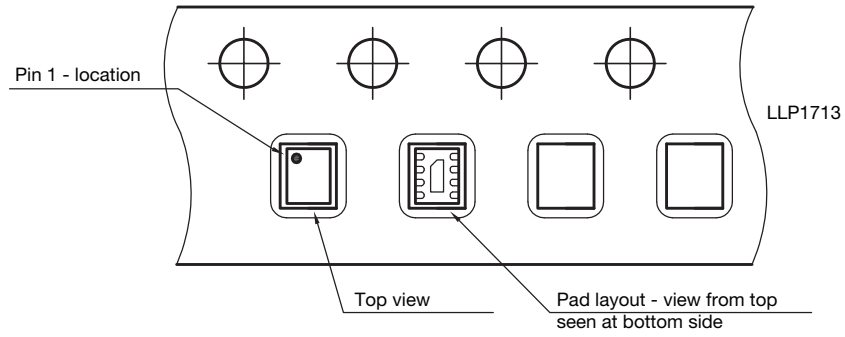





Fig. 9 - Typical Peak Clamping Voltage at ESD Contact Discharge (acc. IEC 61000-4-2)

PACKAGE DIMENSIONS in millimeters (inches): **LLP1713-7L**

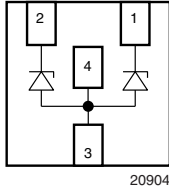




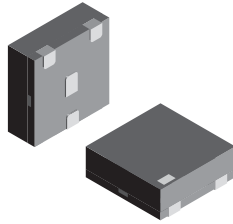
PROTECTION DIODES - TVS AND ESD PROTECTION - LLP1713-9L

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VESD05A8A-HNH		LLP1713-9L	5	1.0	6	5.0	65	30	± 25	8	No
VESD05A8B-HNH		LLP1713-9L	5	0.5	6	4.0	52	20	± 17	8	No
VESD05A8C-HNH		LLP1713-9L	-	0.1	6	2.5	33	10	± 8	8	No

Low Capacitance, 2-Line ESD Protection Diode



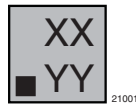
20904



20903

1

MARKING (example only)



21001

Dot = pin 1 marking
 YY = type code (see table below)
 XX = date code

FEATURES

- Compact LLP75-4L package
- Low package height < 0.6 mm
- 2-line ESD protection
- Low leakage current < 0.1 μ A
- Low load capacitance $C_D = 1.5$ pF
- ESD immunity acc. IEC 61000-4-2 ± 15 kV contact discharge
 ± 15 kV air discharge
- High surge current acc. IEC 61000-4-5 $I_{PP} > 3$ A
- Soldering can be checked by standard vision inspection. no X-ray necessary
- e4 - precious metal (e.g. Ag, Au, NiPd, NiPdAu) (no Sn)



DESIGN SUPPORT TOOLS

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ORDERING INFORMATION			
DEVICE NAME	ORDERING CODE	TAPED UNITS PER REEL (8 mm TAPE ON 7" REEL)	MINIMUM ORDER QUANTITY
VBUS052BD-HTF	VBUS052BD-HTF-GS08	3000	15 000

PACKAGE DATA						
DEVICE NAME	PACKAGE NAME	TYPE CODE	WEIGHT	MOLDING COMPOUND FLAMMABILITY RATING	MOISTURE SENSITIVITY LEVEL	SOLDERING CONDITIONS
VBUS052BD-HTF	LLP75-4L	U7	4.2 mg	UL 94 V-0	MSL level 1 (according J-STD-020)	Peak temperature max. 260 °C

ABSOLUTE MAXIMUM RATINGS VBUS052BD-HTF				
RATING	TEST CONDITIONS	SYMBOL	VALUE	UNIT
Peak pulse current	Acc. IEC 61000-4-5, $t_p = 8/20$ μ s/single shot	I_{PPM}	3	A
Peak pulse power	Acc. IEC 61000-4-5, $t_p = 8/20$ μ s/single shot	P_{PP}	45	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 15	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	-40 to +125	°C
Storage temperature		T_{STG}	-40 to +150	°C

APPLICATION NOTE

The VBUS052BD-HTF is a two-line ESD protection device with the characteristic of a Z-diode with a high ESD immunity and a very low capacitance which makes it usable for high frequency applications like USB2.0 or HDMI.

With the VBUS052BD-HTF two high speed data lines can be protected against transient voltage signals like ESD (electro static discharge). Connected to the data line (pin 1 and 2) and to ground (pin 3) negative transients will be clamped close below the ground level while positive transients will be clamped close above the 5 V working range. The clamping behavior of the VBUS052BD-HTF is bidirectional but asymmetrical (BiAs) and so it offers the best protection for applications running up to 5 V.

ELECTRICAL CHARACTERISTICS VBUS052BD-HTF						
PARAMETER	TEST CONDITIONS/REMARKS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	2	lines
Reverse stand-off voltage	at $I_R = 0.1 \mu A$; pin 1 or pin 2 to pin 3	V_{RWM}	-	-	5	V
Reverse current	at $V_R = V_{RWM} = 5 V$; pin 1 or pin 2 to pin 3	I_R	-	< 0.01	0.1	μA
Reverse breakdown voltage	at $I_R = 1 mA$; pin 1 or pin 2 to pin 3	V_{BR}	6.9	7.9	8.7	V
Reverse clamping voltage	at $I_{PP} = 3 A$, acc. IEC 61000-4-5; pin 1 or pin 2 to pin 3	V_C	-	-	16	V
Forward clamping voltage	at $I_F = 3 A$, acc. IEC 61000-4-5; pin 3 to pin 1 or pin 2	V_F	-	4.8	6	V
Capacitance	at $V_R = 0 V$; $f = 1 MHz$; pin 1 or pin 2 to pin 3	C_D	-	1.5	2.5	pF

Note

- Ratings at 25 °C, ambient temperature unless otherwise specified

TYPICAL CHARACTERISTICS $T_{amb} = 25 \text{ }^\circ\text{C}$, unless otherwise specified

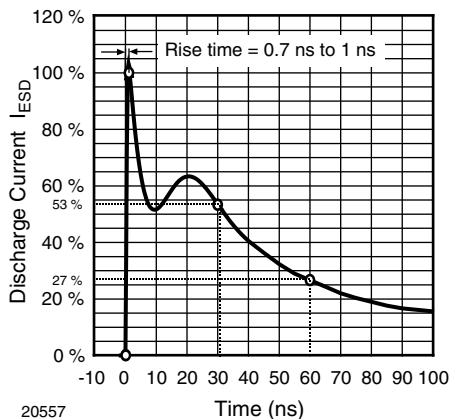


Fig. 1 - ESD Discharge Current Wave Form acc. IEC 61000-4-2 (330 Ω /150 pF)

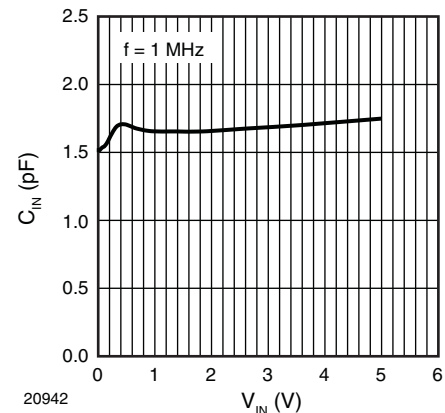


Fig. 3 - Typical Capacitance C_D vs. Reverse Voltage V_R

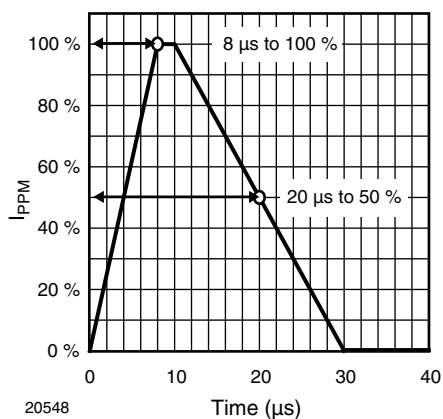


Fig. 2 - 8/20 μs Peak Pulse Current Wave Form acc. IEC 61000-4-5

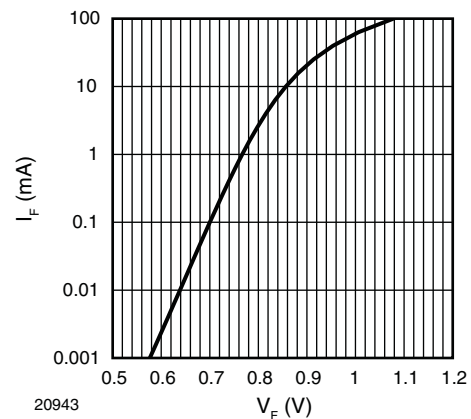


Fig. 4 - Typical Forward Current I_F vs. Forward Voltage V_F

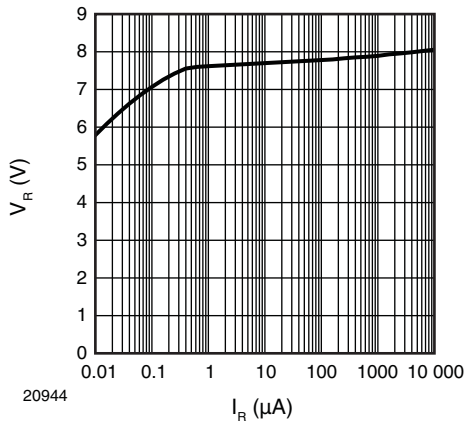


Fig. 5 - Typical Reverse Voltage V_R vs. Reverse Current I_R

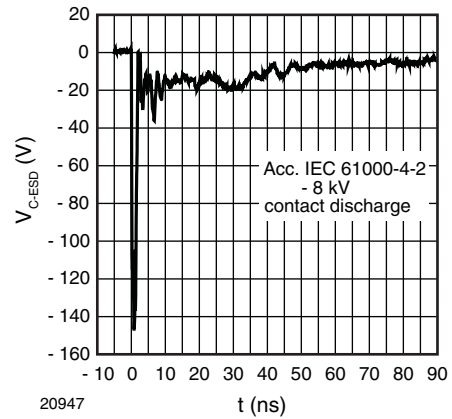


Fig. 8 - Typical Clamping Performance at - 8 kV Contact Discharge (acc. IEC 61000-4-2)

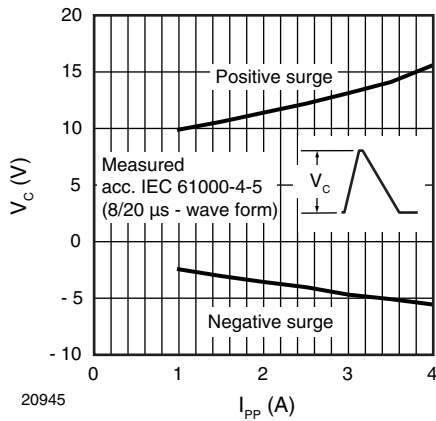


Fig. 6 - Typical Clamping Voltage vs. Peak Pulse Current I_{PP}

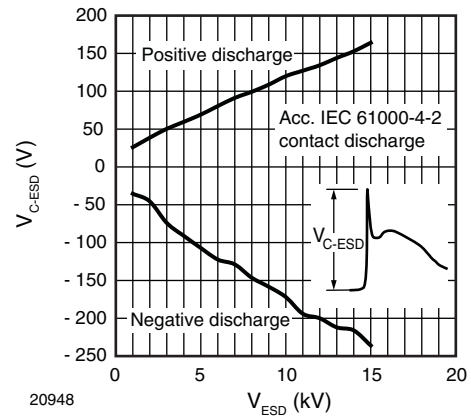


Fig. 9 - Typical Peak Clamping Voltage at \pm ESD Contact Discharge (acc. IEC 61000-4-2)

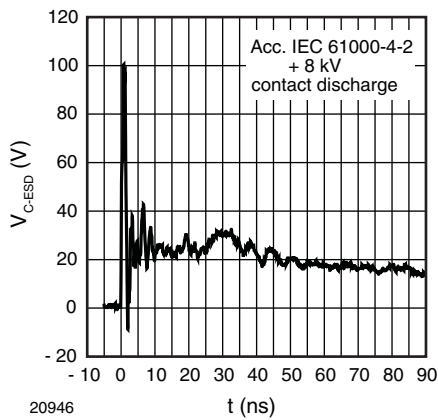
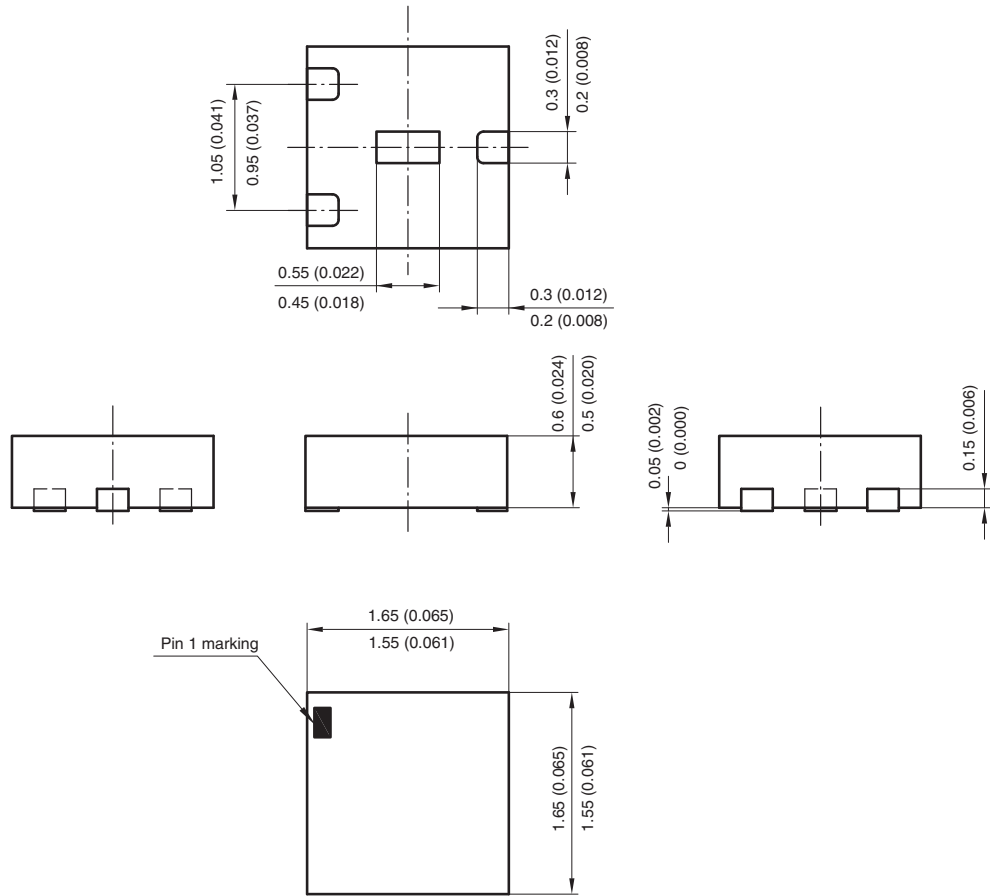
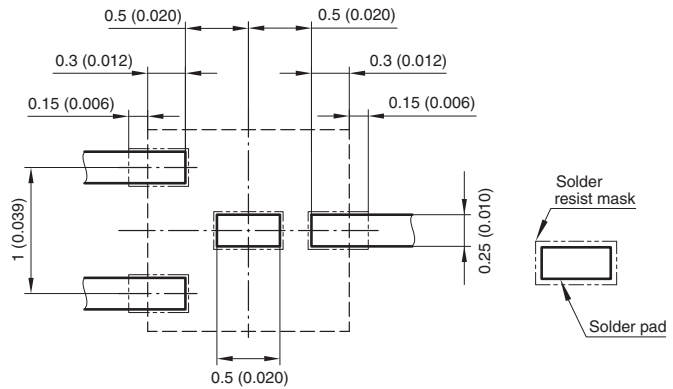


Fig. 7 - Typical Clamping Performance at + 8 kV Contact Discharge (acc. IEC 61000-4-2)

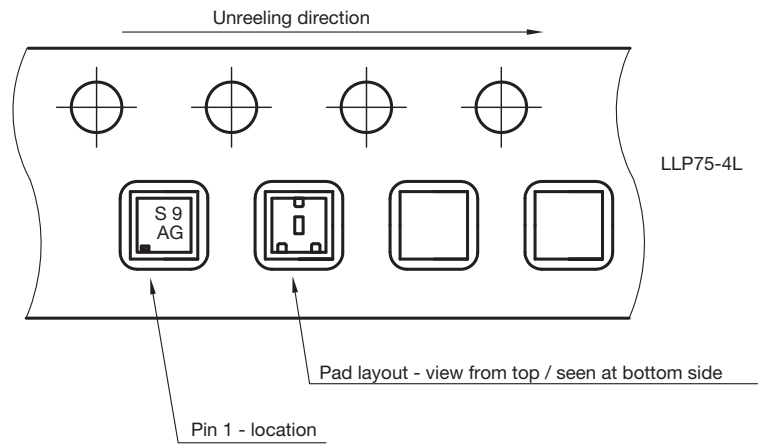
PACKAGE DIMENSIONS in millimeters (inches): **LLP75-4L**









Foot print recommendation:







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 Created - Date: 04. September 2007
 Rev. 2 - Date: 09. Sep. 2008
 20906







PROTECTION DIODES - TVS AND ESD PROTECTION - LLP75-6L

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
GMF05C-HSF		LLP75-6L	5	1.0	6	12.0	200	126	± 30	5	No
GMF05LC-HSF		LLP75-6L	5	0.1	6	5.0	70	43	± 30	5	No
VBUS054B-HSF		LLP75-6L	5	0.1	6.3	3.0	45	0.8	± 15	4	No
VBUS54CV-HSF		LLP75-6L	5.5	0.1	7	11.0	242	1.2	± 30	4	No
VESD05A5A-HSF		LLP75-6L	5	0.1	6	2.5	33	13	± 15	5	No
VESD09A4A-HSF		LLP75-6L	9	0.1	11.2	1.5	30	6.2	± 8	1	No

PROTECTION DIODES - TVS AND ESD PROTECTION - LLP75-7L

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VBUS053AZ-HAF		LLP75-7L	5.5	0.085	6.5	3.0	36	0.7	± 15	3	No
VBUS053CZ-HAF		LLP75-7L	5.5	0.02	6.5	3.0	54	0.7	± 15	3	No
VESD05A6-HAF		LLP75-7L	5	1.0	6	5.0	60	40	± 30	6	No
VESD05A6A-HAF		LLP75-7L	5	0.1	6	2.5	33	13	± 15	6	No

PROTECTION DIODES - TVS AND ESD PROTECTION - SOD-323

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μ A)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VLIN1616-02G		SOD-323	16	0.05	17.1	6.0	200	18	± 30	1	Yes
VLIN1626-02G		SOD-323	16	0.05	17.1	6.0	200	15.5	± 30	1	Yes
VLIN2626-02G		SOD-323	26.5	0.05	28	4.0	200	13.5	± 30	1	Yes
VLIN3333-02G		SOD-323	33	0.05	36	3.5	200	11	± 30	1	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - SOD-523

Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VBUS05M1-02V		SOD-523	5.5	0.1	6.5	4.5	70	0.7	± 18	1	Yes
VCUT0714A02V		SOD-523	14	0.1	14.5	4.6	70	8	± 25	1	Yes
VESD01C1-02V		SOD-523	1	100.0	1.5	11.0	70	192	30	1	Yes
VESD03C1-02V		SOD-523	3	20.0	4.4	11.6	100	112	30	1	Yes
VESD05A1-02V (-G3-		SOD-523	5	1.0	6	16.0	192	130	± 30	1	Yes
VESD05B1-02V		SOD-523	5	0.1	6	3.5	40	19	± 30	1	Yes
VESD05C1-02V		SOD-523	5	0.1	6.85	8.7	100	67	30	1	Yes
VESD08C1-02V		SOD-523	8	0.1	9.5	6.6	100	47	30	1	Yes
VESD12C1-02V		SOD-523	12	0.1	13.9	4.4	100	33	30	1	Yes
VESD16C1-02V		SOD-523	16	0.1	17	3.6	100	27	30	1	Yes
VESD26C1-02V		SOD-523	26	0.1	27.6	2.1	100	17.5	20	1	Yes
VESD33C1-02V		SOD-523	33	0.1	35.5	1.6	100	15	15	1	Yes


















PROTECTION DIODES - TVS AND ESD PROTECTION - SOT-23









Part Number	Circuit Diagram	Package Code (JEDEC®)	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ MHz $f = 1$ (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
GSOT03		SOT-23	3.3	100.0	4	30.0	369	420	± 30	1	Yes
GSOT03C		SOT-23	3.3	100.0	4.0	30.0	369	420	± 30	2	Yes
GSOT04		SOT-23	4	20.0	5	30.0	429	310	± 30	1	Yes
GSOT04C		SOT-23	4	20.0	5	30.0	429	310	± 30	2	Yes
GSOT05		SOT-23	5	10.0	6	30.0	480	260	± 30	1	Yes
GSOT05C		SOT-23	5	10.0	6	30.0	480	260	± 30	2	Yes
GSOT08		SOT-23	8	5.0	9	18.0	345	160	± 30	1	Yes
GSOT08C		SOT-23	8	5.0	9	18.0	345	160	± 30	2	Yes
GSOT12		SOT-23	12	1.0	13.5	12.0	312	115	± 30	1	Yes
GSOT12C		SOT-23	12	1.0	13.5	12.0	312	115	± 30	2	Yes
GSOT15		SOT-23	15	1.0	16.5	8.0	230	90	± 30	1	Yes
GSOT15C		SOT-23	15	1.0	16.5	8.0	345	90	± 30	2	Yes
GSOT24		SOT-23	24	1.0	27	5.0	235	65	± 30	1	Yes
GSOT24C		SOT-23	24	1.0	27	5.0	235	65	± 30	2	Yes
GSOT36		SOT-23	36	1.0	39	3.5	248	52	± 30	1	Yes
GSOT36C		SOT-23	36	1.0	39	3.5	248	52	± 30	2	Yes
VCAN16A2-03S		SOT-23	16	0.05	17.1	5.0	145	16.7	± 30	2	Yes
VCAN26A2-03S		SOT-23	26.5	0.05	28	3.0	150	10	± 30	2	Yes
VCAN33A2-03S		SOT-23	33	0.05	36	2.7	150	8.7	± 30	2	Yes
VCAN36A2-03S		SOT-23	36	0.05	39	2.4	150	8	± 30	2	Yes

PROTECTION DIODES - TVS AND ESD PROTECTION - SOT-323















Part Number	Circuit Diagram	Package (JEDEC®) Code	Reverse Standoff Voltage V_{RWM} (V)	Reverse Current I_R at V_{RWM} (μA)	Reverse Breakdown Voltage V_{BR} at 1 mA (V)	Peak Pulse Current I_{PPM} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (A)	Peak Pulse Power P_{PP} at $t_p = 8/20\mu s$ acc. IEC 61000-4-5 (W)	Capacitance C_D at $V_R = 0$ V $V_{AC} < 100$ mV $f = 1$ MHz (pF)	ESD Immunity acc. IEC 61000-4-2 (kV)	Number of Protected Lines	AEC-Q101 Qualified
VCAN16A2-03G		SOT-323	16	0.05	17.1	5.0	140	15.5	± 30	2	Yes
VCAN26A2-03G		SOT-323	26.5	0.05	28	3.0	150	10	± 30	2	Yes
VCAN26B2-03G		SOT-323		0.0		0.0	100		± 30		Yes
VCAN26C2-03G		SOT-323	26.5	0.05	28	2.5	110	7.6	± 30	2	Yes
VCAN33A2-03G		SOT-323	33	0.05	36	2.5	140	8.4	± 30	2	Yes
VCAN33C2-03G		SOT-323	33	0.05	36	2.0	120	6	± 30	2	Yes
VCAN36A2-03G		SOT-323	36	0.05	39	2.4	150	8	± 30	2	Yes
VCAN36C2-03G		SOT-323	36	0.05	39	1.8	120	5.5	± 27	2	Yes
VESD01A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD03A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD05A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD08A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD12A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD16A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD26A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VESD33A2-03G-G3		SOT-323	1	100.0	2.5	11.0	70	192	30	2	Yes
VLIN26A1-03G		SOT-323	26.5	0.05	28	3.0	150	10	± 30	1	Yes





SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZX884L Series		BZX884B24L	4.7	47	24	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B5V1L	4.7	47	5.1	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B15L	4.7	47	15	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B43L	4.7	47	43	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B9V1L	4.7	47	9.1	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B27L	4.7	47	27	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B5V6L	4.7	47	5.6	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B16L	4.7	47	16	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B47L	4.7	47	47	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B10L	4.7	47	10	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B30L	4.7	47	30	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B6V2L	4.7	47	6.2	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B18L	4.7	47	18	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B11L	4.7	47	11	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B33L	4.7	47	33	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B6V8L	4.7	47	6.8	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B20L	4.7	47	20	5	300	DFN1006-2A	Pulse current	Yes









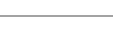











Series	Product Image	Part Number	V _z	V _z	V _z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z	AEC-Q101 Qualified
			Min.	Max.	Nom.				Specification	
			(V)	(V)	(V)	(mA)	(mW)			
BZX884L Series		BZX884B12L	4.7	47	12	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B36L	4.7	47	36	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B7V5L	4.7	47	7.5	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B22L	4.7	47	22	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B4V7L	4.7	47	4.7	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B13L	4.7	47	13	5	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B39L	4.7	47	39	2	300	DFN1006-2A	Pulse current	Yes
BZX884L Series		BZX884B8V2L	4.7	47	8.2	5	300	DFN1006-2A	Pulse current	Yes

SMALL SIGNAL DIODES - ZENER DIODES


















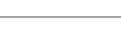




Series	Product Image	Part Number	V _z	V _z	V _z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z	AEC-Q101 Qualified
			Min.	Max.	Nom.				Specification	
			(V)	(V)	(V)	(mA)	(mW)			
SMZG3788B thru SMZG3809B		SMZG3792B	9.1	68	13	28.8	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3806B	9.1	68	51	7.3	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3799B	9.1	68	27	13.9	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3802B	9.1	68	36	10.4	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3791B	9.1	68	12	31.2	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3807B	9.1	68	56	6.7	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3796B	9.1	68	20	18.7	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3801B	9.1	68	33	11.4	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3788B	9.1	68	9.1	41.2	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3808B	9.1	68	62	6.0	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3795B	9.1	68	18	20.8	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3800B	9.1	68	30	12.5	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3789B	9.1	68	10	37.5	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3805B	9.1	68	47	8.0	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3794B	9.1	68	16	23.4	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3797B	9.1	68	22	17.0	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3790B	9.1	68	11	34.1	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B		SMZG3804B	9.1	68	43	8.7	1500	DO-215AA (SMBG)	Pulse current	No


















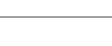



Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
SMZG3788B thru SMZG3809B	 <small>DO-215AA (SMBG)</small>	SMZG3793B	9.1	68	15	25.0	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B	 <small>DO-215AA (SMBG)</small>	SMZG3809B	9.1	68	68	5.5	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B	 <small>DO-215AA (SMBG)</small>	SMZG3798B	9.1	68	24	15.6	1500	DO-215AA (SMBG)	Pulse current	No
SMZG3788B thru SMZG3809B	 <small>DO-215AA (SMBG)</small>	SMZG3803B	9.1	68	39	9.6	1500	DO-215AA (SMBG)	Pulse current	No

















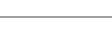



SMALL SIGNAL DIODES - ZENER DIODES








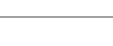



Series	Product Image	Part Number	V _z	V _z	V _z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
			Min.	Max.	Nom.					
1N5221 to 1N5267		1N5255	2.4	75	28	4.5	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5239	2.4	75	9.1	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5223	2.4	75	2.7	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5234	2.4	75	6.2	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5265	2.4	75	62	2	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5250	2.4	75	20	6.2	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5229	2.4	75	4.3	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5245	2.4	75	15	8.5	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5256	2.4	75	30	4.2	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5240	2.4	75	10	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5224	2.4	75	2.8	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5251	2.4	75	22	5.6	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5235	2.4	75	6.8	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5266	2.4	75	68	1.8	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5230	2.4	75	4.7	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5261	2.4	75	47	2.7	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5246	2.4	75	16	7.8	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5257	2.4	75	33	3.8	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5241	2.4	75	11	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5225	2.4	75	3	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No












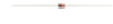










Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
1N5221 to 1N5267		1N5252	2.4	75	24	5.2	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5236	2.4	75	7.5	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5267	2.4	75	75	1.7	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5231	2.4	75	5.1	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5262	2.4	75	51	2.5	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5247	2.4	75	17	7.4	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5258	2.4	75	36	3.4	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5242	2.4	75	12	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5226	2.4	75	3.3	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5253	2.4	75	25	5	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5237	2.4	75	8.2	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5221	2.4	75	2.4	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5232	2.4	75	5.6	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5263	2.4	75	56	2.2	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5248	2.4	75	18	7	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5259	2.4	75	39	3.2	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5243	2.4	75	13	9.5	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5227	2.4	75	3.6	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5254	2.4	75	27	4.6	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5238	2.4	75	8.7	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5222	2.4	75	2.5	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5233	2.4	75	6	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No























Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
1N5221 to 1N5267		1N5264	2.4	75	60	2.1	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5249	2.4	75	19	6.6	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5228	2.4	75	3.9	20	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5260	2.4	75	43	3	500	DO-35 (DO-204AH)	Thermal equilibrium	No
1N5221 to 1N5267		1N5244	2.4	75	14	9	500	DO-35 (DO-204AH)	Thermal equilibrium	No
BZX55-Series		BZX55C9V1	2.4	75	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B24	2.4	75	24	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B5V1	2.4	75	5.1	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C39	2.4	75	39	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B3V3	2.4	75	3.3	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C24	2.4	75	24	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B62	2.4	75	62	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C5V6	2.4	75	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B15	2.4	75	15	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C16	2.4	75	16	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B43	2.4	75	43	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C3V6	2.4	75	3.6	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B9V1	2.4	75	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C68	2.4	75	68	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C10	2.4	75	10	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B27	2.4	75	27	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B5V6	2.4	75	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No























Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
BZX55-Series		BZX55C43	2.4	75	43	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B3V6	2.4	75	3.6	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C27	2.4	75	27	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B68	2.4	75	68	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C6V2	2.4	75	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B16	2.4	75	16	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C75	2.4	75	75	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C18	2.4	75	18	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B47	2.4	75	47	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C3V9	2.4	75	3.9	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B10	2.4	75	10	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C11	2.4	75	11	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B30	2.4	75	30	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C2V4	2.4	75	2.4	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B6V2	2.4	75	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C47	2.4	75	47	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B3V9	2.4	75	3.9	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C30	2.4	75	30	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B75	2.4	75	75	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C6V8	2.4	75	6.8	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B18	2.4	75	18	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B2V4	2.4	75	2.4	5	500	DO-35 (DO-204AH)	Pulse current	No























Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
BZX55-Series		BZX55C20	2.4	75	20	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C4V3	2.4	75	4.3	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B11	2.4	75	11	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C12	2.4	75	12	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B33	2.4	75	33	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C2V7	2.4	75	2.7	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B6V8	2.4	75	6.8	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C51	2.4	75	51	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B20	2.4	75	20	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B4V3	2.4	75	4.3	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C33	2.4	75	33	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C7V5	2.4	75	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B2V7	2.4	75	2.7	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C22	2.4	75	22	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B51	2.4	75	51	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C4V7	2.4	75	4.7	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B12	2.4	75	12	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C13	2.4	75	13	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B36	2.4	75	36	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C3V0	2.4	75	3	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B7V5	2.4	75	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C56	2.4	75	56	2.5	500	DO-35 (DO-204AH)	Pulse current	No















Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
BZX55-Series		BZX55C8V2	2.4	75	8.2	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B22	2.4	75	22	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B4V7	2.4	75	4.7	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C36	2.4	75	36	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B3V0	2.4	75	3	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B56	2.4	75	56	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C5V1	2.4	75	5.1	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B13	2.4	75	13	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C15	2.4	75	15	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B39	2.4	75	39	2.5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C3V3	2.4	75	3.3	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55B8V2	2.4	75	8.2	5	500	DO-35 (DO-204AH)	Pulse current	No
BZX55-Series		BZX55C62	2.4	75	62	2.5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX15C	2.4	36	15	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V2A	2.4	36	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX11B	2.4	36	11	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX36C	2.4	36	36	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V3B	2.4	36	4.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX7V5D	2.4	36	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX24B	2.4	36	24	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX2V7A	2.4	36	2.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX10A	2.4	36	10	5	500	DO-35 (DO-204AH)	Pulse current	No

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
TZX-Series		TZX33A	2.4	36	33	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V6C	2.4	36	3.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX22A	2.4	36	22	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX14A	2.4	36	14	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V6A	2.4	36	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX18B	2.4	36	18	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V8B	2.4	36	6.8	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX12D	2.4	36	12	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V7D	2.4	36	4.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX9V1A	2.4	36	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX27X	2.4	36	27	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V3A	2.4	36	3.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX15X	2.4	36	15	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V2B	2.4	36	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX11C	2.4	36	11	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX36X	2.4	36	36	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V3C	2.4	36	4.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX7V5X	2.4	36	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX24C	2.4	36	24	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX2V7B	2.4	36	2.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX10B	2.4	36	10	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX33B	2.4	36	33	2	500	DO-35 (DO-204AH)	Pulse current	No

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
TZX-Series		TZX3V9A	2.4	36	3.9	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX14B	2.4	36	14	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V6B	2.4	36	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V3B	2.4	36	3.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX18C	2.4	36	18	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V8C	2.4	36	6.8	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX12X	2.4	36	12	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V1A	2.4	36	5.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX9V1B	2.4	36	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX30A	2.4	36	30	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX16A	2.4	36	16	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V2C	2.4	36	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX11D	2.4	36	11	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V3D	2.4	36	4.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX8V2A	2.4	36	8.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX24X	2.4	36	24	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX2V7C	2.4	36	2.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX10C	2.4	36	10	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX33C	2.4	36	33	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V9B	2.4	36	3.9	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX22B	2.4	36	22	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX14C	2.4	36	14	5	500	DO-35 (DO-204AH)	Pulse current	No























Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
TZX-Series		TZX5V6C	2.4	36	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX30B	2.4	36	30	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V3C	2.4	36	3.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX20A	2.4	36	20	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V8D	2.4	36	6.8	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX13A	2.4	36	13	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V1B	2.4	36	5.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX9V1C	2.4	36	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX16B	2.4	36	16	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V2D	2.4	36	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX12A	2.4	36	12	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V7A	2.4	36	4.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX8V2B	2.4	36	8.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX27A	2.4	36	27	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V0A	2.4	36	3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V6D	2.4	36	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX10D	2.4	36	10	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX36A	2.4	36	36	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V9C	2.4	36	3.9	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX22C	2.4	36	22	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX2V4A	2.4	36	2.4	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX15A	2.4	36	15	5	500	DO-35 (DO-204AH)	Pulse current	No

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
TZX-Series		TZX30C	2.4	36	30	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V6A	2.4	36	3.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX20B	2.4	36	20	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX7V5A	2.4	36	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX13B	2.4	36	13	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V1C	2.4	36	5.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX9V1D	2.4	36	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX16C	2.4	36	16	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V2E	2.4	36	6.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX12B	2.4	36	12	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V7B	2.4	36	4.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX8V2C	2.4	36	8.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX27B	2.4	36	27	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V0B	2.4	36	3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V6E	2.4	36	5.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX11A	2.4	36	11	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX36B	2.4	36	36	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V3A	2.4	36	4.3	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX7V5C	2.4	36	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX24A	2.4	36	24	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX2V4B	2.4	36	2.4	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX15B	2.4	36	15	5	500	DO-35 (DO-204AH)	Pulse current	No

Series	Product Image	Part Number	V _z	V _z	V _z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
			Min.	Max.	Nom.					
TZX-Series		TZX9V1E	2.4	36	9.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX30X	2.4	36	30	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V6B	2.4	36	3.6	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX20C	2.4	36	20	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX7V5B	2.4	36	7.5	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX13C	2.4	36	13	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX5V1D	2.4	36	5.1	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX18A	2.4	36	18	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX6V8A	2.4	36	6.8	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX12C	2.4	36	12	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX4V7C	2.4	36	4.7	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX8V2D	2.4	36	8.2	5	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX27C	2.4	36	27	2	500	DO-35 (DO-204AH)	Pulse current	No
TZX-Series		TZX3V0C	2.4	36	3	5	500	DO-35 (DO-204AH)	Pulse current	No


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
Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
1N4728A to 1N4761A		1N4731A	3.3	75	4.3	58	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4747A	3.3	75	20	12.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4758A	3.3	75	56	4.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4742A	3.3	75	12	21	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4753A	3.3	75	36	7	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4737A	3.3	75	7.5	34	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4732A	3.3	75	4.7	53	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4748A	3.3	75	22	11.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4759A	3.3	75	62	4	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4743A	3.3	75	13	19	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4754A	3.3	75	39	6.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4738A	3.3	75	8.2	31	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4733A	3.3	75	5.1	49	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4749A	3.3	75	24	10.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4760A	3.3	75	68	3.7	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4744A	3.3	75	15	17	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4728A	3.3	75	3.3	76	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4755A	3.3	75	43	6	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4739A	3.3	75	9.1	28	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4734A	3.3	75	5.6	45	1300	DO-41 (DO-204AL)	Thermal equilibrium	No


















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
1N4728A to 1N4761A		1N4750A	3.3	75	27	9.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4729A	3.3	75	3.6	69	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4761A	3.3	75	75	3.3	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4745A	3.3	75	16	15.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4756A	3.3	75	47	5.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4740A	3.3	75	10	25	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4735A	3.3	75	6.2	41	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4751A	3.3	75	30	8.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4730A	3.3	75	3.9	64	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4746A	3.3	75	18	14	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4757A	3.3	75	51	5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4741A	3.3	75	11	23	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4752A	3.3	75	33	7.5	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
1N4728A to 1N4761A		1N4736A	3.3	75	6.8	37	1300	DO-41 (DO-204AL)	Thermal equilibrium	No
BZX85-Series		BZX85C51	2.7	75	51	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C11	2.7	75	11	20	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B33	2.7	75	33	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C2V7	2.7	75	2.7	80	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B7V5	2.7	75	7.5	35	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C33	2.7	75	33	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C7V5	2.7	75	7.5	35	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B4V7	2.7	75	4.7	45	1300	DO-41 (DO-204AL)	Pulse current	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZX85-Series		BZX85C4V7	2.7	75	4.7	45	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B13	2.7	75	13	20	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B3V0	2.7	75	3	80	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C20	2.7	75	20	10	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B56	2.7	75	56	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C56	2.7	75	56	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C12	2.7	75	12	20	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B36	2.7	75	36	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C3V0	2.7	75	3	80	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B8V2	2.7	75	8.2	25	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C36	2.7	75	36	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C8V2	2.7	75	8.2	25	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B22	2.7	75	22	10	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B5V1	2.7	75	5.1	45	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C5V1	2.7	75	5.1	45	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B15	2.7	75	15	15	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B3V3	2.7	75	3.3	80	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C22	2.7	75	22	10	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B62	2.7	75	62	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B9V1	2.7	75	9.1	25	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C62	2.7	75	62	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C13	2.7	75	13	20	1300	DO-41 (DO-204AL)	Pulse current	No












Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZX85-Series		BZX85B39	2.7	75	39	6	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C3V3	2.7	75	3.3	80	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C39	2.7	75	39	6	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B24	2.7	75	24	10	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B5V6	2.7	75	5.6	45	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C5V6	2.7	75	5.6	45	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B16	2.7	75	16	15	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B3V6	2.7	75	3.6	60	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C24	2.7	75	24	10	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B68	2.7	75	68	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C3V6	2.7	75	3.6	60	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B10	2.7	75	10	25	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C68	2.7	75	68	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C15	2.7	75	15	15	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B43	2.7	75	43	6	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C43	2.7	75	43	6	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C9V1	2.7	75	9.1	25	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B27	2.7	75	27	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B6V2	2.7	75	6.2	35	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B75	2.7	75	75	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C6V2	2.7	75	6.2	35	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B18	2.7	75	18	15	1300	DO-41 (DO-204AL)	Pulse current	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZX85-Series		BZX85B3V9	2.7	75	3.9	60	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C27	2.7	75	27	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C3V9	2.7	75	3.9	60	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B11	2.7	75	11	20	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C75	2.7	75	75	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C16	2.7	75	16	15	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B47	2.7	75	47	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C47	2.7	75	47	4	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C10	2.7	75	10	25	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B30	2.7	75	30	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B6V8	2.7	75	6.8	35	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C6V8	2.7	75	6.8	35	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B20	2.7	75	20	10	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B4V3	2.7	75	4.3	50	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C30	2.7	75	30	8	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C4V3	2.7	75	4.3	50	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B12	2.7	75	12	20	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B2V7	2.7	75	2.7	80	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85C18	2.7	75	18	15	1300	DO-41 (DO-204AL)	Pulse current	No
BZX85-Series		BZX85B51	2.7	75	51	4	1300	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE190A	100	200	190	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE140A	100	200	140	5.0	1500	DO-41 (DO-204AL)	Pulse current	No

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{ZT}	P _{TOT}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
Z4KE100A thru Z4KE200A		Z4KE200A	100	200	200	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE150A	100	200	150	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE100A	100	200	100	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE160A	100	200	160	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE110A	100	200	110	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE170A	100	200	170	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE120A	100	200	120	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE180A	100	200	180	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
Z4KE100A thru Z4KE200A		Z4KE130A	100	200	130	5.0	1500	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY18	3.9	100	18	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY3V9	3.9	100	3.9	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY51	3.9	100	51	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY11	3.9	100	11	50	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY33	3.9	100	33	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY6V8	3.9	100	6.8	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY20	3.9	100	20	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY4V3	3.9	100	4.3	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY12	3.9	100	12	50	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY56	3.9	100	56	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY36	3.9	100	36	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY7V5	3.9	100	7.5	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY22	3.9	100	22	25	1300	DO-41 (DO-204AL)	Pulse current	No










Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
ZPY3V9 to ZPY75		ZPY4V7	3.9	100	4.7	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY13	3.9	100	13	50	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY62	3.9	100	62	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY39	3.9	100	39	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY8V2	3.9	100	8.2	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY24	3.9	100	24	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY5V1	3.9	100	5.1	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY15	3.9	100	15	50	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY68	3.9	100	68	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY43	3.9	100	43	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY9V1	3.9	100	9.1	50	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY27	3.9	100	27	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY5V6	3.9	100	5.6	100	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY16	3.9	100	16	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY75	3.9	100	75	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY47	3.9	100	47	10	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY10	3.9	100	10	50	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY30	3.9	100	30	25	1300	DO-41 (DO-204AL)	Pulse current	No
ZPY3V9 to ZPY75		ZPY6V2	3.9	100	6.2	100	1300	DO-41 (DO-204AL)	Pulse current	No

SMALL SIGNAL DIODES - ZENER DIODES















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-110A	100	200	110	3.4	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-170A	100	200	170	2.2	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-120A	100	200	120	3.1	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-180A	100	200	180	2.1	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-130A	100	200	130	2.9	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-190A	100	200	190	2.0	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-140A	100	200	140	2.7	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-200A	100	200	200	1.9	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-150A	100	200	150	2.5	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-100A	100	200	100	3.7	1000	GL41 (DO-213AB)	Pulse current	No
ZGL41-100A thru ZGL41-200A	 GL41 (DO-213AB)	ZGL41-160A	100	200	160	2.3	1000	GL41 (DO-213AB)	Pulse current	No

















SMALL SIGNAL DIODES - ZENER DIODES

















Series	Product Image	Part Number	V _z Min.	V _z Max.	V _z Nom.	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
			(V)	(V)	(V)	(mA)	(mW)			
GLL4735 to GLL4763A		GLL4752	6.2	91	33	7.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4736	6.2	91	6.8	37	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4747	6.2	91	20	12.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4763	6.2	91	91	2.8	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4758	6.2	91	56	4.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4742	6.2	91	12	21	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4753	6.2	91	36	7	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4737	6.2	91	7.5	34	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4748	6.2	91	22	11.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4759	6.2	91	62	4	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4743	6.2	91	13	19	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4754	6.2	91	39	6.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4738	6.2	91	8.2	31	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4749	6.2	91	24	10.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4760	6.2	91	68	3.7	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4744	6.2	91	15	17	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4755	6.2	91	43	6	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4739	6.2	91	9.1	28	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4750	6.2	91	27	9.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4761	6.2	91	75	3.3	1000	MELF (DO-213AB)	Pulse current	No

















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
GLL4735 to GLL4763A		GLL4745	6.2	91	16	15.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4756	6.2	91	47	5.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4740	6.2	91	10	25	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4751	6.2	91	30	8.5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4735	6.2	91	6.2	41	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4746	6.2	91	18	14	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4762	6.2	91	82	3	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4757	6.2	91	51	5	1000	MELF (DO-213AB)	Pulse current	No
GLL4735 to GLL4763A		GLL4741	6.2	91	11	23	1000	MELF (DO-213AB)	Pulse current	No








SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
ZM4728A to ZM4761A		ZM4760A	3.3	75	68	3.7	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4744A	3.3	75	15	17	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4729A	3.3	75	3.6	69	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4755A	3.3	75	43	6	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4740A	3.3	75	10	25	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4735A	3.3	75	6.2	41	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4750A	3.3	75	27	9.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4730A	3.3	75	3.9	64	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4761A	3.3	75	75	3.3	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4745A	3.3	75	16	15.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4756A	3.3	75	47	5.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4736A	3.3	75	6.8	37	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4751A	3.3	75	30	8.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4731A	3.3	75	4.3	58	1000	MELF (DO-213AB) glass	Thermal equilibrium	No

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
ZM4728A to ZM4761A		ZM4762A	3.3	75	82	3	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4746A	3.3	75	18	14	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4757A	3.3	75	51	5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4741A	3.3	75	11	23	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4752A	3.3	75	33	7.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4737A	3.3	75	7.5	34	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4732A	3.3	75	4.7	53	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4763A	3.3	75	91	2.8	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4747A	3.3	75	20	12.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4758A	3.3	75	56	4.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4742A	3.3	75	12	21	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4753A	3.3	75	36	7	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4738A	3.3	75	8.2	31	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4733A	3.3	75	5.1	49	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4764A	3.3	75	100	2.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4748A	3.3	75	22	11.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No


















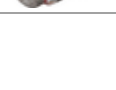
Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
ZM4728A to ZM4761A		ZM4759A	3.3	75	62	4	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4743A	3.3	75	13	19	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4728A	3.3	75	3.3	76	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4754A	3.3	75	39	6.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4739A	3.3	75	9.1	28	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4734A	3.3	75	5.6	45	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZM4728A to ZM4761A		ZM4749A	3.3	75	24	10.5	1000	MELF (DO-213AB) glass	Thermal equilibrium	No
ZMY3V9 to ZMY75		ZMY20	3.9	75	20	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY4V3	3.9	75	4.3	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY12	3.9	75	12	50	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY56	3.9	75	56	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY36	3.9	75	36	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY7V5	3.9	75	7.5	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY22	3.9	75	22	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY4V7	3.9	75	4.7	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY13	3.9	75	13	50	1000	MELF (DO-213AB) glass	Pulse current	No


















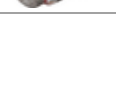
Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
ZMY3V9 to ZMY75		ZMY62	3.9	75	62	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY39	3.9	75	39	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY8V2	3.9	75	8.2	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY24	3.9	75	24	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY5V1	3.9	75	5.1	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY15	3.9	75	15	50	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY68	3.9	75	68	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY43	3.9	75	43	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY9V1	3.9	75	9.1	50	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY27	3.9	75	27	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY5V6	3.9	75	5.6	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY16	3.9	75	16	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY75	3.9	75	75	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY47	3.9	75	47	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY10	3.9	75	10	50	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY30	3.9	75	30	25	1000	MELF (DO-213AB) glass	Pulse current	No



















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
ZMY3V9 to ZMY75		ZMY6V2	3.9	75	6.2	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY18	3.9	75	18	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY3V9	3.9	75	3.9	100	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY11	3.9	75	11	50	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY51	3.9	75	51	10	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY33	3.9	75	33	25	1000	MELF (DO-213AB) glass	Pulse current	No
ZMY3V9 to ZMY75		ZMY6V8	3.9	75	6.8	100	1000	MELF (DO-213AB) glass	Pulse current	No





SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZM55-Series		BZM55C12	2.4	75	12	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B33	2.4	75	33	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C2V7	2.4	75	2.7	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B6V8	2.4	75	6.8	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C56	2.4	75	56	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C7V5	2.4	75	7.5	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B20	2.4	75	20	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B4V7	2.4	75	4.7	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C36	2.4	75	36	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B3V0	2.4	75	3	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C22	2.4	75	22	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B56	2.4	75	56	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C4V7	2.4	75	4.7	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B12	2.4	75	12	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C62	2.4	75	62	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C13	2.4	75	13	5	500	MicroMELF	Pulse current	No







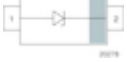






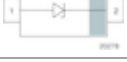
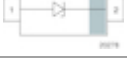





Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZM55-Series		BZM55B36	2.4	75	36	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C3V0	2.4	75	3	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B7V5	2.4	75	7.5	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C8V2	2.4	75	8.2	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B22	2.4	75	22	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C39	2.4	75	39	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B3V3	2.4	75	3.3	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C24	2.4	75	24	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B62	2.4	75	62	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C5V1	2.4	75	5.1	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B13	2.4	75	13	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C68	2.4	75	68	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C15	2.4	75	15	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B39	2.4	75	39	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C3V3	2.4	75	3.3	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B8V2	2.4	75	8.2	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C9V1	2.4	75	9.1	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B24	2.4	75	24	5	500	MicroMELF	Pulse current	No











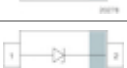


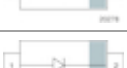




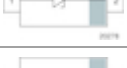



Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZM55-Series		BZM55B5V1	2.4	75	5.1	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C43	2.4	75	43	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B15	2.4	75	15	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B3V6	2.4	75	3.6	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C27	2.4	75	27	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B68	2.4	75	68	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C5V6	2.4	75	5.6	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C75	2.4	75	75	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C16	2.4	75	16	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B43	2.4	75	43	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C3V6	2.4	75	3.6	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B9V1	2.4	75	9.1	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C10	2.4	75	10	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B27	2.4	75	27	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B5V6	2.4	75	5.6	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C47	2.4	75	47	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B16	2.4	75	16	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B3V9	2.4	75	3.9	5	500	MicroMELF	Pulse current	No







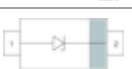



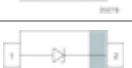











Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZM55-Series		BZM55C30	2.4	75	30	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B75	2.4	75	75	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C6V2	2.4	75	6.2	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B2V4	2.4	75	2.4	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C18	2.4	75	18	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B47	2.4	75	47	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C3V9	2.4	75	3.9	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B10	2.4	75	10	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C11	2.4	75	11	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B30	2.4	75	30	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C2V4	2.4	75	2.4	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B6V2	2.4	75	6.2	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C51	2.4	75	51	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C6V8	2.4	75	6.8	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B18	2.4	75	18	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B4V3	2.4	75	4.3	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C33	2.4	75	33	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B2V7	2.4	75	2.7	5	500	MicroMELF	Pulse current	No











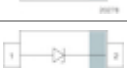


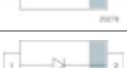




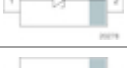



Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZM55-Series		BZM55C20	2.4	75	20	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B51	2.4	75	51	2.5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55C4V3	2.4	75	4.3	5	500	MicroMELF	Pulse current	No
BZM55-Series		BZM55B11	2.4	75	11	5	500	MicroMELF	Pulse current	No












SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
PLZ Series		PLZ27D	2	39	27	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ4V3B	2	39	4.3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ18C	2	39	18	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V0B	2	39	2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ11B	2	39	11	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ39C	2	39	39	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ6V8C	2	39	6.8	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V6A	2	39	3.6	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ16A	2	39	16	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ10B	2	39	10	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ36B	2	39	36	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ6V2A	2	39	6.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ24C	2	39	24	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ8V2C	2	39	8.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ33B	2	39	33	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ5V1B	2	39	5.1	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ22B	2	39	22	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V7B	2	39	2.7	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ13B	2	39	13	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ7V5A	2	39	7.5	20	500	MicroSMF (DO-219AC)	Pulse current	Yes



















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
PLZ Series		PLZ30A	2	39	30	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ4V3C	2	39	4.3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ20A	2	39	20	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V2A	2	39	2.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ11C	2	39	11	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ39D	2	39	39	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V6B	2	39	3.6	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ16B	2	39	16	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ36C	2	39	36	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ6V2B	2	39	6.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ24D	2	39	24	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ9V1A	2	39	9.1	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ33C	2	39	33	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ5V1C	2	39	5.1	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ22C	2	39	22	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V0A	2	39	3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ13C	2	39	13	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ7V5B	2	39	7.5	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ30B	2	39	30	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ4V7A	2	39	4.7	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ20B	2	39	20	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V2B	2	39	2.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes





















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
PLZ Series		PLZ12A	2	39	12	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V9A	2	39	3.9	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ16C	2	39	16	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ10C	2	39	10	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ36D	2	39	36	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ6V2C	2	39	6.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ27A	2	39	27	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ15A	2	39	15	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ9V1B	2	39	9.1	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ33D	2	39	33	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ5V6A	2	39	5.6	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ22D	2	39	22	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V0B	2	39	3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ7V5C	2	39	7.5	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ30C	2	39	30	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ4V7B	2	39	4.7	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ20C	2	39	20	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V4A	2	39	2.4	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ12B	2	39	12	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V9B	2	39	3.9	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ18A	2	39	18	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ10D	2	39	10	20	500	MicroSMF (DO-219AC)	Pulse current	Yes





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
PLZ Series		PLZ39A	2	39	39	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ6V8A	2	39	6.8	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ27B	2	39	27	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ15B	2	39	15	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ9V1C	2	39	9.1	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ36A	2	39	36	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ5V6B	2	39	5.6	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ24A	2	39	24	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ3V3A	2	39	3.3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ8V2A	2	39	8.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ30D	2	39	30	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ4V7C	2	39	4.7	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ20D	2	39	20	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V4B	2	39	2.4	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ12C	2	39	12	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ27C	2	39	27	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ4V3A	2	39	4.3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ18B	2	39	18	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V0A	2	39	2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ11A	2	39	11	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ39B	2	39	39	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ6V8B	2	39	6.8	20	500	MicroSMF (DO-219AC)	Pulse current	Yes





















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
PLZ Series		PLZ3V3B	2	39	3.3	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ15C	2	39	15	10	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ10A	2	39	10	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ5V6C	2	39	5.6	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ24B	2	39	24	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ8V2B	2	39	8.2	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ33A	2	39	33	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ5V1A	2	39	5.1	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ22A	2	39	22	5	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ2V7A	2	39	2.7	20	500	MicroSMF (DO-219AC)	Pulse current	Yes
PLZ Series		PLZ13A	2	39	13	10	500	MicroSMF (DO-219AC)	Pulse current	Yes





















SMALL SIGNAL DIODES - ZENER DIODES





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TLZ-Series		TLZ4V3C	2.4	56	4.3	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ20A	2.4	56	20	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ11C	2.4	56	11	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ51	2.4	56	51	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ7V5A	2.4	56	7.5	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ30A	2.4	56	30	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ10C	2.4	56	10	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ36D	2.4	56	36	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39E	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ6V2B	2.4	56	6.2	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ24D	2.4	56	24	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V6B	2.4	56	3.6	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ16B	2.4	56	16	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ9V1A	2.4	56	9.1	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ33C	2.4	56	33	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ5V1C	2.4	56	5.1	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ22C	2.4	56	22	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V0A	2.4	56	3	20	500	MiniMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
TLZ-Series		TLZ13C	2.4	56	13	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ4V7A	2.4	56	4.7	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ20B	2.4	56	20	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ12A	2.4	56	12	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ56	2.4	56	56	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ7V5B	2.4	56	7.5	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ30B	2.4	56	30	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ16C	2.4	56	16	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ10D	2.4	56	10	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39A	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39F	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ6V2C	2.4	56	6.2	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ27A	2.4	56	27	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V9A	2.4	56	3.9	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ9V1B	2.4	56	9.1	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ33D	2.4	56	33	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ5V6A	2.4	56	5.6	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ22D	2.4	56	22	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V0B	2.4	56	3	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ15A	2.4	56	15	10	500	MiniMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TLZ-Series		TLZ4V7B	2.4	56	4.7	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ20C	2.4	56	20	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ2V4A	2.4	56	2.4	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ12B	2.4	56	12	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ7V5C	2.4	56	7.5	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ30C	2.4	56	30	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ18A	2.4	56	18	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ11A	2.4	56	11	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39G	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ6V8A	2.4	56	6.8	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ27B	2.4	56	27	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V9B	2.4	56	3.9	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ9V1C	2.4	56	9.1	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ36A	2.4	56	36	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39B	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ5V6B	2.4	56	5.6	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ24A	2.4	56	24	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V3A	2.4	56	3.3	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ15B	2.4	56	15	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ30D	2.4	56	30	5	500	MiniMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TLZ-Series		TLZ4V7C	2.4	56	4.7	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ20D	2.4	56	20	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ2V4B	2.4	56	2.4	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ12C	2.4	56	12	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ8V2A	2.4	56	8.2	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ4V3A	2.4	56	4.3	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ18B	2.4	56	18	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ11B	2.4	56	11	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ43	2.4	56	43	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ6V8B	2.4	56	6.8	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ27C	2.4	56	27	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ10A	2.4	56	10	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ36B	2.4	56	36	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39C	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ5V6C	2.4	56	5.6	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ24B	2.4	56	24	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V3B	2.4	56	3.3	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ15C	2.4	56	15	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ33A	2.4	56	33	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ5V1A	2.4	56	5.1	20	500	MiniMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TLZ-Series		TLZ22A	2.4	56	22	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ2V7A	2.4	56	2.7	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ13A	2.4	56	13	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ8V2B	2.4	56	8.2	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ4V3B	2.4	56	4.3	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ18C	2.4	56	18	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ47	2.4	56	47	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ6V8C	2.4	56	6.8	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ27D	2.4	56	27	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ10B	2.4	56	10	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ36C	2.4	56	36	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ39D	2.4	56	39	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ6V2A	2.4	56	6.2	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ24C	2.4	56	24	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ3V6A	2.4	56	3.6	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ16A	2.4	56	16	10	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ8V2C	2.4	56	8.2	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ33B	2.4	56	33	5	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ5V1B	2.4	56	5.1	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ22B	2.4	56	22	5	500	MiniMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
TLZ-Series		TLZ2V7B	2.4	56	2.7	20	500	MiniMELF (SOD-80)	Pulse current	No
TLZ-Series		TLZ13B	2.4	56	13	10	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC43	2.4	75	43	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC9V1	2.4	75	9.1	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB24	2.4	75	24	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB5V1	2.4	75	5.1	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC5V6	2.4	75	5.6	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB15	2.4	75	15	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB3V3	2.4	75	3.3	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC27	2.4	75	27	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB68	2.4	75	68	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB9V1	2.4	75	9.1	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC68	2.4	75	68	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC16	2.4	75	16	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB43	2.4	75	43	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC3V6	2.4	75	3.6	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC47	2.4	75	47	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC10	2.4	75	10	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB27	2.4	75	27	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB5V6	2.4	75	5.6	5	500	MiniMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TZM-Series		TZMB75	2.4	75	75	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC6V2	2.4	75	6.2	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB16	2.4	75	16	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB3V6	2.4	75	3.6	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC30	2.4	75	30	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC3V9	2.4	75	3.9	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB10	2.4	75	10	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC75	2.4	75	75	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC18	2.4	75	18	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB47	2.4	75	47	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC51	2.4	75	51	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC11	2.4	75	11	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB30	2.4	75	30	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC2V4	2.4	75	2.4	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB6V2	2.4	75	6.2	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC6V8	2.4	75	6.8	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB18	2.4	75	18	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB3V9	2.4	75	3.9	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC33	2.4	75	33	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC4V3	2.4	75	4.3	5	500	MiniMELF (SOD-80)	Pulse current	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
TZM-Series		TZMB11	2.4	75	11	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB2V4	2.4	75	2.4	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC20	2.4	75	20	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB51	2.4	75	51	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC12	2.4	75	12	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB33	2.4	75	33	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC2V7	2.4	75	2.7	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB6V8	2.4	75	6.8	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC36	2.4	75	36	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC7V5	2.4	75	7.5	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB20	2.4	75	20	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB4V3	2.4	75	4.3	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC4V7	2.4	75	4.7	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB12	2.4	75	12	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB2V7	2.4	75	2.7	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC22	2.4	75	22	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB56	2.4	75	56	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC56	2.4	75	56	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC13	2.4	75	13	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB36	2.4	75	36	5	500	MiniMELF (SOD-80)	Pulse current	No




















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TZM-Series		TZMC3V0	2.4	75	3	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB7V5	2.4	75	7.5	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC39	2.4	75	39	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC8V2	2.4	75	8.2	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB22	2.4	75	22	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB4V7	2.4	75	4.7	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC5V1	2.4	75	5.1	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB13	2.4	75	13	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB3V0	2.4	75	3	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC24	2.4	75	24	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB62	2.4	75	62	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB8V2	2.4	75	8.2	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC62	2.4	75	62	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC15	2.4	75	15	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMB39	2.4	75	39	2.5	500	MiniMELF (SOD-80)	Pulse current	No
TZM-Series		TZMC3V3	2.4	75	3.3	5	500	MiniMELF (SOD-80)	Pulse current	No
TZM5221 to TZM5267		TZM5251	2.4	75	22	5.6	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5235	2.4	75	6.8	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5266	2.4	75	68	1.8	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5230	2.4	75	4.7	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No























Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
TZM5221 to TZM5267		TZM5261	2.4	75	47	2.7	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5246	2.4	75	16	7.8	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5256	2.4	75	30	4.2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5241	2.4	75	11	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5225	2.4	75	3	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5252	2.4	75	24	5.2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5236	2.4	75	7.5	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5267	2.4	75	75	1.7	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5231	2.4	75	5.1	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5262	2.4	75	51	2.5	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5247	2.4	75	17	7.4	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5257	2.4	75	33	3.8	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5242	2.4	75	12	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5226	2.4	75	3.3	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5253	2.4	75	25	5	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5237	2.4	75	8.2	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5221	2.4	75	2.4	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5232	2.4	75	5.6	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5263	2.4	75	56	2.2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5248	2.4	75	18	7	500	MiniMELF (SOD-80)	Thermal equilibrium	No























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TZM5221 to TZM5267		TZM5227	2.4	75	3.6	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5258	2.4	75	36	3.4	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5248	2.4	75	18	7	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5232	2.4	75	5.6	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5263	2.4	75	56	2.2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5227	2.4	75	3.6	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5258	2.4	75	36	3.4	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5243	2.4	75	13	9.5	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5254	2.4	75	27	4.6	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5238	2.4	75	8.7	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5222	2.4	75	2.5	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5249	2.4	75	19	6.6	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5233	2.4	75	6	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5264	2.4	75	60	2.1	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5228	2.4	75	3.9	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5259	2.4	75	39	3.2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5244	2.4	75	14	9	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5255	2.4	75	28	4.5	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5239	2.4	75	9.1	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5223	2.4	75	2.7	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
TZM5221 to TZM5267		TZM5250	2.4	75	20	6.2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5234	2.4	75	6.2	20	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZM5221 to TZM5267		TZM5265	2.4	75	62	2	500	MiniMELF (SOD-80)	Thermal equilibrium	No
TZMA-Series		TZMA15	4.7	30	15	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA9V1	4.7	30	9.1	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA6V2	4.7	30	6.2	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA16	4.7	30	16	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA10	4.7	30	10	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA18	4.7	30	18	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA11	4.7	30	11	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA6V8	4.7	30	6.8	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA4V7	4.7	30	4.7	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA20	4.7	30	20	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA12	4.7	30	12	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA7V5	4.7	30	7.5	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA5V1	4.7	30	5.1	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA30	4.7	30	30	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA13	4.7	30	13	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA8V2	4.7	30	8.2	5	500	MiniMELF (SOD-80)	Pulse current	No
TZMA-Series		TZMA5V6	4.7	30	5.6	5	500	MiniMELF (SOD-80)	Pulse current	No























SMALL SIGNAL DIODES - ZENER DIODES























Series	Product Image	Part Number	V _z	V _z	V _z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z Specification	AEC- Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
BZT55-Series		BZT55C9V1	2.4	75	9.1	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B24	2.4	75	24	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B5V1	2.4	75	5.1	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C43	2.4	75	43	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B3V6	2.4	75	3.6	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C27	2.4	75	27	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B68	2.4	75	68	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C5V6	2.4	75	5.6	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B15	2.4	75	15	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C75	2.4	75	75	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C16	2.4	75	16	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B43	2.4	75	43	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C3V6	2.4	75	3.6	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B9V1	2.4	75	9.1	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C10	2.4	75	10	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B27	2.4	75	27	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B5V6	2.4	75	5.6	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C47	2.4	75	47	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B16	2.4	75	16	5	500	QuadroMELF (SOD-80)	Pulse current	No





















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT55-Series		BZT55B3V9	2.4	75	3.9	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C30	2.4	75	30	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B75	2.4	75	75	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C6V2	2.4	75	6.2	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B2V4	2.4	75	2.4	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C18	2.4	75	18	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B47	2.4	75	47	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C3V9	2.4	75	3.9	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B10	2.4	75	10	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C11	2.4	75	11	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B30	2.4	75	30	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C2V4	2.4	75	2.4	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B6V2	2.4	75	6.2	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C51	2.4	75	51	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B18	2.4	75	18	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B4V3	2.4	75	4.3	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C33	2.4	75	33	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C6V8	2.4	75	6.8	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B2V7	2.4	75	2.7	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C20	2.4	75	20	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B51	2.4	75	51	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C4V3	2.4	75	4.3	5	500	QuadroMELF (SOD-80)	Pulse current	No











Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT55-Series		BZT55B11	2.4	75	11	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C12	2.4	75	12	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B33	2.4	75	33	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C2V7	2.4	75	2.7	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B6V8	2.4	75	6.8	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C56	2.4	75	56	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C7V5	2.4	75	7.5	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B20	2.4	75	20	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B4V7	2.4	75	4.7	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C36	2.4	75	36	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B3V0	2.4	75	3	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C22	2.4	75	22	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B56	2.4	75	56	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C4V7	2.4	75	4.7	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B12	2.4	75	12	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C13	2.4	75	13	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B36	2.4	75	36	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C3V0	2.4	75	3	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B7V5	2.4	75	7.5	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C62	2.4	75	62	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C8V2	2.4	75	8.2	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B22	2.4	75	22	5	500	QuadroMELF (SOD-80)	Pulse current	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT55-Series		BZT55C39	2.4	75	39	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B3V3	2.4	75	3.3	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C24	2.4	75	24	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B62	2.4	75	62	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C5V1	2.4	75	5.1	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B13	2.4	75	13	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C68	2.4	75	68	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C15	2.4	75	15	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B39	2.4	75	39	2.5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55C3V3	2.4	75	3.3	5	500	QuadroMELF (SOD-80)	Pulse current	No
BZT55-Series		BZT55B8V2	2.4	75	8.2	5	500	QuadroMELF (SOD-80)	Pulse current	No
TZQ5221B to TZQ5267B		TZQ5262B	2.4	75	51	2.5	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5246B	2.4	75	16	7.8	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5231B	2.4	75	5.1	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5257B	2.4	75	33	3.8	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5226B	2.4	75	3.3	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5237B	2.4	75	8.2	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5221B	2.4	75	2.4	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5252B	2.4	75	24	5.2	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5263B	2.4	75	56	2.2	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5247B	2.4	75	17	7.4	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5232B	2.4	75	5.6	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No




















Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
TZQ5221B to TZQ5267B		TZQ5258B	2.4	75	36	3.4	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5242B	2.4	75	12	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5227B	2.4	75	3.6	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5238B	2.4	75	8.7	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5222B	2.4	75	2.5	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5253B	2.4	75	25	5	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5233B	2.4	75	6	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5264B	2.4	75	60	2.1	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5248B	2.4	75	18	7	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5259B	2.4	75	39	3.2	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5243B	2.4	75	13	9.5	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5228B	2.4	75	3.9	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5239B	2.4	75	9.1	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5223B	2.4	75	2.7	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5254B	2.4	75	27	4.6	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5234B	2.4	75	6.2	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5265B	2.4	75	62	2	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5249B	2.4	75	19	6.6	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5260B	2.4	75	43	3	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5244B	2.4	75	14	9	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5229B	2.4	75	4.3	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5255B	2.4	75	28	4.5	500	QuadroMELF (SOD-80)	Thermal equilibrium	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
TZQ5221B to TZQ5267B		TZQ5240B	2.4	75	10	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5224B	2.4	75	2.8	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5235B	2.4	75	6.8	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5266B	2.4	75	68	1.8	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5250B	2.4	75	20	6.2	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5261B	2.4	75	47	2.7	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5245B	2.4	75	15	8.5	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5230B	2.4	75	4.7	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5256B	2.4	75	30	4.2	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5241B	2.4	75	11	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5225B	2.4	75	3	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5236B	2.4	75	7.5	20	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5267B	2.4	75	75	1.7	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZQ5221B to TZQ5267B		TZQ5251B	2.4	75	22	5.6	500	QuadroMELF (SOD-80)	Thermal equilibrium	No
TZS4678 to TZS4717		TZS4712	1.8	43	28	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4696	1.8	43	9.1	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4681	1.8	43	2.4	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4707	1.8	43	20	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4692	1.8	43	6.8	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4687	1.8	43	4.3	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4702	1.8	43	15	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4713	1.8	43	30	0.05	500	QuadroMELF (SOD-80)	Pulse current	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
TZS4678 to TZS4717		TZS4697	1.8	43	10	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4682	1.8	43	2.7	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4708	1.8	43	22	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4693	1.8	43	7.5	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4688	1.8	43	4.7	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4703	1.8	43	16	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4714	1.8	43	33	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4698	1.8	43	11	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4683	1.8	43	3	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4709	1.8	43	24	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4678	1.8	43	1.8	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4689	1.8	43	5.1	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4704	1.8	43	17	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4684	1.8	43	3.3	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4715	1.8	43	36	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4699	1.8	43	12	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4710	1.8	43	25	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4694	1.8	43	8.2	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4679	1.8	43	2	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4690	1.8	43	5.6	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4705	1.8	43	18	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4685	1.8	43	3.6	0.05	500	QuadroMELF (SOD-80)	Pulse current	No

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
TZS4678 to TZS4717		TZS4716	1.8	43	39	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4700	1.8	43	13	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4711	1.8	43	27	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4695	1.8	43	8.7	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4680	1.8	43	2.2	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4691	1.8	43	6.2	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4706	1.8	43	19	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4686	1.8	43	3.9	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4717	1.8	43	43	0.05	500	QuadroMELF (SOD-80)	Pulse current	No
TZS4678 to TZS4717		TZS4701	1.8	43	14	0.05	500	QuadroMELF (SOD-80)	Pulse current	No

SMALL SIGNAL DIODES - ZENER DIODES







Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{ZT}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min.	Max.	Nom.				Specification	
			(V)	(V)	(V)	(mA)	(mW)			
BZG03B-M-Series		BZG03B11-M	10	270	11	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B220-M	10	270	220	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B47-M	10	270	47	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B130-M	10	270	130	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B30-M	10	270	30	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B82-M	10	270	82	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B20-M	10	270	20	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B12-M	10	270	12	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B240-M	10	270	240	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B51-M	10	270	51	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B150-M	10	270	150	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B33-M	10	270	33	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B91-M	10	270	91	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B22-M	10	270	22	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B13-M	10	270	13	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B270-M	10	270	270	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B56-M	10	270	56	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B160-M	10	270	160	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B36-M	10	270	36	10	3000	SMA (DO-214AC)	Pulse current	Yes
















Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG03B-M-Series		BZG03B100-M	10	270	100	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B15-M	10	270	15	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B62-M	10	270	62	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B180-M	10	270	180	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B39-M	10	270	39	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B110-M	10	270	110	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B24-M	10	270	24	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B16-M	10	270	16	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B68-M	10	270	68	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B10-M	10	270	10	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B200-M	10	270	200	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B43-M	10	270	43	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B120-M	10	270	120	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B27-M	10	270	27	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B18-M	10	270	18	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03B-M-Series		BZG03B75-M	10	270	75	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C110-M	10	270	110	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C24-M	10	270	24	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C68-M	10	270	68	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C15-M	10	270	15	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C180-M	10	270	180	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C43-M	10	270	43	10	3000	SMA (DO-214AC)	Pulse current	Yes







Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG03C-M-Series		BZG03C120-M	10	270	120	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C27-M	10	270	27	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C75-M	10	270	75	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C16-M	10	270	16	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C10-M	10	270	10	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C200-M	10	270	200	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C47-M	10	270	47	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C130-M	10	270	130	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C30-M	10	270	30	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C82-M	10	270	82	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C18-M	10	270	18	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C11-M	10	270	11	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C220-M	10	270	220	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C51-M	10	270	51	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C150-M	10	270	150	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C33-M	10	270	33	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C91-M	10	270	91	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C20-M	10	270	20	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C12-M	10	270	12	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C240-M	10	270	240	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C56-M	10	270	56	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C36-M	10	270	36	10	3000	SMA (DO-214AC)	Pulse current	Yes

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG03C-M-Series		BZG03C100-M	10	270	100	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C22-M	10	270	22	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C13-M	10	270	13	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C270-M	10	270	270	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C62-M	10	270	62	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C160-M	10	270	160	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG03C-M-Series		BZG03C39-M	10	270	39	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-30-M	10	270	36	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-120-M	10	270	150	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-75-M	10	270	91	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-18-M	10	270	22	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-220-M	10	270	270	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-11-M	10	270	13	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-33-M	10	270	39	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-130-M	10	270	160	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-20-M	10	270	24	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-82-M	10	270	100	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-51-M	10	270	62	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-12-M	10	270	15	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-36-M	10	270	43	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-150-M	10	270	180	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-22-M	10	270	27	25	3000	SMA (DO-214AC)	Pulse current	Yes

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG04-M-Series		BZG04-91-M	10	270	110	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-56-M	10	270	68	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-13-M	10	270	16	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-39-M	10	270	47	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-8V2-M	10	270	10	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-160-M	10	270	200	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-24-M	10	270	30	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-100-M	10	270	120	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-62-M	10	270	75	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-15-M	10	270	18	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-180-M	10	270	220	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-43-M	10	270	51	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-9V1-M	10	270	11	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-27-M	10	270	33	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-110-M	10	270	130	5	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-68-M	10	270	82	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-16-M	10	270	20	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-200-M	10	270	240	2	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-47-M	10	270	56	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG04-M-Series		BZG04-10-M	10	270	12	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B27-M	3.3	100	27	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B5V6-M	3.3	100	5.6	45	3000	SMA (DO-214AC)	Pulse current	Yes

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG05B-M-Series		BZG05B16-M	3.3	100	16	15	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B3V6-M	3.3	100	3.6	60	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B75-M	3.3	100	75	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B47-M	3.3	100	47	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B10-M	3.3	100	10	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B30-M	3.3	100	30	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B6V2-M	3.3	100	6.2	35	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B18-M	3.3	100	18	15	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B3V9-M	3.3	100	3.9	60	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B82-M	3.3	100	82	2.7	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B11-M	3.3	100	11	20	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B51-M	3.3	100	51	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B33-M	3.3	100	33	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B6V8-M	3.3	100	6.8	35	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B20-M	3.3	100	20	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B4V3-M	3.3	100	4.3	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B91-M	3.3	100	91	2.7	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B12-M	3.3	100	12	20	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B56-M	3.3	100	56	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B36-M	3.3	100	36	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B7V5-M	3.3	100	7.5	35	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B100-M	3.3	100	100	2.7	3000	SMA (DO-214AC)	Pulse current	Yes

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG05B-M-Series		BZG05B22-M	3.3	100	22	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B4V7-M	3.3	100	4.7	45	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B13-M	3.3	100	13	20	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B3V3-M	3.3	100	3.3	80	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B62-M	3.3	100	62	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B39-M	3.3	100	39	6	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B8V2-M	3.3	100	8.2	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B24-M	3.3	100	24	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B5V1-M	3.3	100	5.1	45	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B15-M	3.3	100	15	15	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B68-M	3.3	100	68	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B43-M	3.3	100	43	6	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05B-M-Series		BZG05B9V1-M	3.3	100	9.1	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C47-M	3.3	100	47	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C10-M	3.3	100	10	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C6V2-M	3.3	100	6.2	35	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C30-M	3.3	100	30	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C82-M	3.3	100	82	2.7	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C18-M	3.3	100	18	15	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C3V9-M	3.3	100	3.9	60	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C51-M	3.3	100	51	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C11-M	3.3	100	11	20	3000	SMA (DO-214AC)	Pulse current	Yes

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZG05C-M-Series		BZG05C6V8-M	3.3	100	6.8	35	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C33-M	3.3	100	33	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C91-M	3.3	100	91	2.7	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C20-M	3.3	100	20	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C4V3-M	3.3	100	4.3	50	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C56-M	3.3	100	56	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C12-M	3.3	100	12	20	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C7V5-M	3.3	100	7.5	35	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C36-M	3.3	100	36	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C4V7-M	3.3	100	4.7	45	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C100-M	3.3	100	100	2.7	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C22-M	3.3	100	22	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C62-M	3.3	100	62	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C13-M	3.3	100	13	20	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C8V2-M	3.3	100	8.2	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C39-M	3.3	100	39	6	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C5V1-M	3.3	100	5.1	45	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C24-M	3.3	100	24	10	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C68-M	3.3	100	68	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C15-M	3.3	100	15	15	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C3V3-M	3.3	100	3.3	80	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C43-M	3.3	100	43	6	3000	SMA (DO-214AC)	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZG05C-M-Series		BZG05C9V1-M	3.3	100	9.1	25	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C5V6-M	3.3	100	5.6	45	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C27-M	3.3	100	27	8	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C75-M	3.3	100	75	4	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C16-M	3.3	100	16	15	3000	SMA (DO-214AC)	Pulse current	Yes
BZG05C-M-Series		BZG05C3V6-M	3.3	100	3.6	60	3000	SMA (DO-214AC)	Pulse current	Yes
SMAZ5919B thru SMAZ5945B		SMAZ5937B	5.6	68	33		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5920B	5.6	68	6.2		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5942B	5.6	68	51	7.3	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5927B	5.6	68	12	31.2	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5932B	5.6	68	20		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5938B	5.6	68	36	10.4	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5921B	5.6	68	6.8	55.1	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5933B	5.6	68	22	17.0	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5943B	5.6	68	56		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5927B	5.6	68	12		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5928B	5.6	68	13	28.8	1500	SMA (DO-214AC)	Pulse current	No




Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC- Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
SMAZ5919B thru SMAZ5945B		SMAZ5938B	5.6	68	36		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5921B	5.6	68	6.8		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5943B	5.6	68	56	6.7	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5933B	5.6	68	22		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5923B	5.6	68	8.2	45.7	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5934B	5.6	68	24	15.6	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5944B	5.6	68	62		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5928B	5.6	68	13		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5929B	5.6	68	15	25.0	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5939B	5.6	68	39		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5923B	5.6	68	8.2		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5944B	5.6	68	62	6.0	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5934B	5.6	68	24		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5939B	5.6	68	39	9.6	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5924B	5.6	68	9.1	41.2	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5935B	5.6	68	27	13.9	1500	SMA (DO-214AC)	Pulse current	No

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
SMAZ5919B thru SMAZ5945B		SMAZ5945B	5.6	68	68		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5929B	5.6	68	15		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5930B	5.6	68	16	23.4	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5940B	5.6	68	43		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5924B	5.6	68	9.1		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5945B	5.6	68	68	5.5	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5935B	5.6	68	27		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5940B	5.6	68	43	8.7	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5925B	5.6	68	10	37.5	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5936B	5.6	68	30	12.5	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5919B	5.6	68	5.6	66.9	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5930B	5.6	68	16		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5931B	5.6	68	18	20.8	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5941B	5.6	68	47		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5925B	5.6	68	10		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5936B	5.6	68	30		1500	SMA (DO-214AC)	Pulse current	No


Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
SMAZ5919B thru SMAZ5945B		SMAZ5919B	5.6	68	5.6		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5941B	5.6	68	47	8.0	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5926B	5.6	68	11	34.1	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5931B	5.6	68	18		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5937B	5.6	68	33	11.4	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5920B	5.6	68	6.2	60.5	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5932B	5.6	68	20	18.7	1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5942B	5.6	68	51		1500	SMA (DO-214AC)	Pulse current	No
SMAZ5919B thru SMAZ5945B		SMAZ5926B	5.6	68	11		1500	SMA (DO-214AC)	Pulse current	No
SML4738 to SML4764A		SML4748A	8.2	100	22	11.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4759	8.2	100	62	4	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4743	8.2	100	13	19	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4763A	8.2	100	91	2.8	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4743A	8.2	100	13	19	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4754	8.2	100	39	6.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4738	8.2	100	8.2	31	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4758A	8.2	100	56	4.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4749	8.2	100	24	10.5	1000	SMA (DO-214AC)	Pulse current	Yes



















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
SML4738 to SML4764A		SML4753A	8.2	100	36	7	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4738A	8.2	100	8.2	31	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4764A	8.2	100	100	2.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4749A	8.2	100	24	10.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4760	8.2	100	68	3.7	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4744	8.2	100	15	17	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4744A	8.2	100	15	17	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4755	8.2	100	43	6	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4739	8.2	100	9.1	28	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4759A	8.2	100	62	4	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4750	8.2	100	27	9.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4754A	8.2	100	39	6.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4739A	8.2	100	9.1	28	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4745	8.2	100	16	15.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4761	8.2	100	75	3.3	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4745A	8.2	100	16	15.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4756	8.2	100	47	5.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4740	8.2	100	10	25	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4760A	8.2	100	68	3.7	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4751	8.2	100	30	8.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4755A	8.2	100	43	6	1000	SMA (DO-214AC)	Pulse current	Yes


















Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
SML4738 to SML4764A		SML4740A	8.2	100	10	25	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4746	8.2	100	18	14	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4750A	8.2	100	27	9.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4762	8.2	100	82	3	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4746A	8.2	100	18	14	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4757	8.2	100	51	5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4741	8.2	100	11	23	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4761A	8.2	100	75	3.3	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4741A	8.2	100	11	23	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4752	8.2	100	33	7.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4756A	8.2	100	47	5.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4747	8.2	100	20	12.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4751A	8.2	100	30	8.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4763	8.2	100	91	2.8	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4747A	8.2	100	20	12.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4758	8.2	100	56	4.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4742	8.2	100	12	21	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4762A	8.2	100	82	3	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4742A	8.2	100	12	21	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4753	8.2	100	36	7	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A		SML4757A	8.2	100	51	5	1000	SMA (DO-214AC)	Pulse current	Yes







Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
SML4738 to SML4764A	 SMA (DO-214AC)	SML4748	8.2	100	22	11.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A	 SMA (DO-214AC)	SML4752A	8.2	100	33	7.5	1000	SMA (DO-214AC)	Pulse current	Yes
SML4738 to SML4764A	 SMA (DO-214AC)	SML4764	8.2	100	100	2.5	1000	SMA (DO-214AC)	Pulse current	Yes



SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V_z	V_z	V_z	I_{zt}	P_{tot}	Package (JEDEC®) Code	V_z Specification	AEC- Q101 Qualified
			Min.	Max.	Nom.					
SMBZ5919B thru SMBZ5945B		SMBZ5938B	5.6	85	36		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5938B	5.6	68	36	10.4	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5920B	5.6	85	6.2		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5920B	5.6	68	6.2	60.5	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5933B	5.6	85	22		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5933B	5.6	68	22	17.0	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5944B	5.6	85	62		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5944B	5.6	68	62	6.0	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5928B	5.6	85	13		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5928B	5.6	68	13	28.8	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5939B	5.6	85	39		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5939B	5.6	68	39	9.6	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5921B	5.6	85	6.8		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5921B	5.6	68	6.8	55.1	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5934B	5.6	85	24		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5934B	5.6	68	24	15.6	3000	SMB (DO-214AA)	Pulse current	No

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
SMBZ5919B thru SMBZ5945B		SMBZ5945B	5.6	85	68		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5945B	5.6	68	68	5.5	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5929B	5.6	85	15		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5929B	5.6	68	15	25.0	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5940B	5.6	85	43		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5940B	5.6	68	43	8.7	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5924B	5.6	85	9.1		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5924B	5.6	68	9.1	41.2	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5935B	5.6	85	27		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5935B	5.6	68	27	13.9	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5930B	5.6	68	16	23.4	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5930B	5.6	85	16		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5941B	5.6	85	47		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5941B	5.6	68	47	8.0	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5925B	5.6	85	10		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5925B	5.6	68	10	37.5	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5936B	5.6	85	30		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5936B	5.6	68	30	12.5	3000	SMB (DO-214AA)	Pulse current	No





Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
SMBZ5919B thru SMBZ5945B		SMBZ5931B	5.6	68	18	20.8	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5931B	5.6	85	18		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5942B	5.6	85	51		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5942B	5.6	68	51	7.3	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5926B	5.6	85	11		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5926B	5.6	68	11	34.1	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5937B	5.6	85	33		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5937B	5.6	68	33	11.4	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5919B	5.6	85	5.6		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5919B	5.6	68	5.6	66.9	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5932B	5.6	85	20		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5932B	5.6	68	20	18.7	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5943B	5.6	85	56		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5943B	5.6	68	56	6.7	3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5927B	5.6	85	12		3000	SMB (DO-214AA)	Pulse current	No
SMBZ5919B thru SMBZ5945B		SMBZ5927B	5.6	68	12	31.2	3000	SMB (DO-214AA)	Pulse current	No
SMZJ3788B thru SMZJ3809B		SMZJ3796B	9.1	68	20	18.7	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3807B	9.1	68	56	6.7	1500	SMB (DO-214AA)	Pulse current	Yes

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
SMZJ3788B thru SMZJ3809B		SMZJ3791B	9.1	68	12	31.2	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3802B	9.1	68	36	10.4	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3797B	9.1	68	22	17.0	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3792B	9.1	68	13	28.8	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3803B	9.1	68	39	9.6	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3798B	9.1	68	24	15.6	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3808B	9.1	68	62	6.0	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3793B	9.1	68	15	25.0	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3804B	9.1	68	43	8.7	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3788B	9.1	68	9.1	41.2	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3799B	9.1	68	27	13.9	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3809B	9.1	68	68	5.5	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3794B	9.1	68	16	23.4	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3805B	9.1	68	47	8.0	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3789B	9.1	68	10	37.5	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3800B	9.1	68	30	12.5	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3795B	9.1	68	18	20.8	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B		SMZJ3806B	9.1	68	51	7.3	1500	SMB (DO-214AA)	Pulse current	Yes




















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
SMZJ3788B thru SMZJ3809B	 <small>SMB (DO-214AA)</small>	SMZJ3790B	9.1	68	11	34.1	1500	SMB (DO-214AA)	Pulse current	Yes
SMZJ3788B thru SMZJ3809B	 <small>SMB (DO-214AA)</small>	SMZJ3801B	9.1	68	33	11.4	1500	SMB (DO-214AA)	Pulse current	Yes






















SMALL SIGNAL DIODES - ZENER DIODES






















Series	Product Image	Part Number	V_z	V_z	V_z	I_{zt}	P_{tot}	Package (JEDEC®) Code	V_z Specification	AEC- Q101 Qualified
			Min.	Max.	Nom.					
SMZG3788B thru SMZG3809B		SMZG3805B	9.1	68	47	8.0	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3789B	9.1	68	10	37.5	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3800B	9.1	68	30	12.5	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3795B	9.1	68	18	20.8	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3806B	9.1	68	51	7.3	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3790B	9.1	68	11	34.1	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3801B	9.1	68	33	11.4	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3796B	9.1	68	20	18.7	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3807B	9.1	68	56	6.7	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3791B	9.1	68	12	31.2	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3802B	9.1	68	36	10.4	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3797B	9.1	68	22	17.0	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3808B	9.1	68	62	6.0	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3792B	9.1	68	13	28.8	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3803B	9.1	68	39	9.6	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3798B	9.1	68	24	15.6	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3809B	9.1	68	68	5.5	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3793B	9.1	68	15	25.0	1500	SMBG (DO-215AA)	Pulse current	Yes



















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
SMZG3788B thru SMZG3809B		SMZG3804B	9.1	68	43	8.7	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3788B	9.1	68	9.1	41.2	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3799B	9.1	68	27	13.9	1500	SMBG (DO-215AA)	Pulse current	Yes
SMZG3788B thru SMZG3809B		SMZG3794B	9.1	68	16	23.4	1500	SMBG (DO-215AA)	Pulse current	Yes










SMALL SIGNAL DIODES - ZENER DIODES




















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD17 Series		BZD17C56P	3.6	200	56	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C12P	3.6	200	12	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C36P	3.6	200	36	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C7V5P	3.6	200	7.5	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C160P	3.6	200	160	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C22P	3.6	200	22	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C5V1P	3.6	200	5.1	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C100P	3.6	200	100	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C62P	3.6	200	62	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C13P	3.6	200	13	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C180P	3.6	200	180	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C39P	3.6	200	39	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C8V2P	3.6	200	8.2	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C24P	3.6	200	24	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C5V6P	3.6	200	5.6	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C110P	3.6	200	110	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C3V6P	3.6	200	3.6	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C68P	3.6	200	68	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C15P	3.6	200	15	50	2300	SMF (DO-219AB)	Pulse current	No



















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZD17 Series		BZD17C200P	3.6	200	200	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C43P	3.6	200	43	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C9V1P	3.6	200	9.1	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C27P	3.6	200	27	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C120P	3.6	200	120	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C3V9P	3.6	200	3.9	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C75P	3.6	200	75	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C16P	3.6	200	16	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C47P	3.6	200	47	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C10P	3.6	200	10	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C30P	3.6	200	30	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C6V2P	3.6	200	6.2	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C130P	3.6	200	130	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C4V3P	3.6	200	4.3	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C82P	3.6	200	82	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C18P	3.6	200	18	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C51P	3.6	200	51	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C11P	3.6	200	11	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C33P	3.6	200	33	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C6V8P	3.6	200	6.8	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C150P	3.6	200	150	5	2300	SMF (DO-219AB)	Pulse current	No



















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZD17 Series		BZD17C4V7P	3.6	200	4.7	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C91P	3.6	200	91	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17 Series		BZD17C20P	3.6	200	20	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C120P-M	3.6	200	120	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C27P-M	3.6	200	27	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C5V6P-M	3.6	200	5.6	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C16P-M	3.6	200	16	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C3V9P-M	3.6	200	3.9	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C75P-M	3.6	200	75	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C47P-M	3.6	200	47	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C10P-M	3.6	200	10	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C130P-M	3.6	200	130	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C30P-M	3.6	200	30	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C6V2P-M	3.6	200	6.2	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C18P-M	3.6	200	18	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C82P-M	3.6	200	82	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C51P-M	3.6	200	51	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C11P-M	3.6	200	11	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C150P-M	3.6	200	150	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C33P-M	3.6	200	33	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C6V8P-M	3.6	200	6.8	100	2300	SMF (DO-219AB)	Pulse current	No






















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD17-M Series		BZD17C20P-M	3.6	200	20	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C4V3P-M	3.6	200	4.3	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C91P-M	3.6	200	91	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C12P-M	3.6	200	12	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C56P-M	3.6	200	56	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C160P-M	3.6	200	160	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C36P-M	3.6	200	36	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C7V5P-M	3.6	200	7.5	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C22P-M	3.6	200	22	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C4V7P-M	3.6	200	4.7	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C100P-M	3.6	200	100	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C13P-M	3.6	200	13	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C62P-M	3.6	200	62	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C180P-M	3.6	200	180	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C39P-M	3.6	200	39	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C8V2P-M	3.6	200	8.2	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C110P-M	3.6	200	110	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C24P-M	3.6	200	24	25	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C5V1P-M	3.6	200	5.1	100	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C15P-M	3.6	200	15	50	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C3V6P-M	3.6	200	3.6	100	2300	SMF (DO-219AB)	Pulse current	No






















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD17-M Series		BZD17C68P-M	3.6	200	68	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C200P-M	3.6	200	200	5	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C43P-M	3.6	200	43	10	2300	SMF (DO-219AB)	Pulse current	No
BZD17-M Series		BZD17C9V1P-M	3.6	200	9.1	50	2300	SMF (DO-219AB)	Pulse current	No
BZD27B Series		BZD27B4V3P	3.6	200	4.3	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B82P	3.6	200	82	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B18P	3.6	200	18	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B51P	3.6	200	51	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B11P	3.6	200	11	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B33P	3.6	200	33	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B150P	3.6	200	150	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B4V7P	3.6	200	4.7	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B91P	3.6	200	91	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B20P	3.6	200	20	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B56P	3.6	200	56	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B12P	3.6	200	12	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B36P	3.6	200	36	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B7V5P	3.6	200	7.5	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B160P	3.6	200	160	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B5V1P	3.6	200	5.1	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B100P	3.6	200	100	5	2300	SMF (DO-219AB)	Pulse current	Yes






















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27B Series		BZD27B22P	3.6	200	22	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B62P	3.6	200	62	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B13P	3.6	200	13	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B39P	3.6	200	39	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B8V2P	3.6	200	8.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B180P	3.6	200	180	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B5V6P	3.6	200	5.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B110P	3.6	200	110	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B24P	3.6	200	24	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B3V6P	3.6	200	3.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B68P	3.6	200	68	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B15P	3.6	200	15	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B43P	3.6	200	43	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B9V1P	3.6	200	9.1	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B200P	3.6	200	200	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B27P	3.6	200	27	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B6V2P	3.6	200	6.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B120P	3.6	200	120	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B3V9P	3.6	200	3.9	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B75P	3.6	200	75	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B16P	3.6	200	16	25	2300	SMF (DO-219AB)	Pulse current	Yes






















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27B Series		BZD27B47P	3.6	200	47	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B10P	3.6	200	10	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B30P	3.6	200	30	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B6V8P	3.6	200	6.8	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B Series		BZD27B130P	3.6	200	130	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B6V2P-M	3.6	200	6.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B120P-M	3.6	200	120	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B27P-M	3.6	200	27	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B3V9P-M	3.6	200	3.9	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B75P-M	3.6	200	75	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B16P-M	3.6	200	16	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B47P-M	3.6	200	47	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B10P-M	3.6	200	10	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B6V8P-M	3.6	200	6.8	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B130P-M	3.6	200	130	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B30P-M	3.6	200	30	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B4V3P-M	3.6	200	4.3	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B82P-M	3.6	200	82	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B18P-M	3.6	200	18	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B51P-M	3.6	200	51	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B11P-M	3.6	200	11	50	2300	SMF (DO-219AB)	Pulse current	Yes









Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27B-M Series		BZD27B33P-M	3.6	200	33	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B7V5P-M	3.6	200	7.5	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B150P-M	3.6	200	150	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B4V7P-M	3.6	200	4.7	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B91P-M	3.6	200	91	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B20P-M	3.6	200	20	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B56P-M	3.6	200	56	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B12P-M	3.6	200	12	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B36P-M	3.6	200	36	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B8V2P-M	3.6	200	8.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B160P-M	3.6	200	160	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B5V1P-M	3.6	200	5.1	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B100P-M	3.6	200	100	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B22P-M	3.6	200	22	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B62P-M	3.6	200	62	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B13P-M	3.6	200	13	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B39P-M	3.6	200	39	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B180P-M	3.6	200	180	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B5V6P-M	3.6	200	5.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B110P-M	3.6	200	110	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B24P-M	3.6	200	24	25	2300	SMF (DO-219AB)	Pulse current	Yes

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27B-M Series		BZD27B68P-M	3.6	200	68	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B15P-M	3.6	200	15	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B3V6P-M	3.6	200	3.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B43P-M	3.6	200	43	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B9V1P-M	3.6	200	9.1	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27B-M Series		BZD27B200P-M	3.6	200	200	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C18P	3.6	200	18	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C3V9P	3.6	200	3.9	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C82P	3.6	200	82	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C11P	3.6	200	11	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C51P	3.6	200	51	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C150P	3.6	200	150	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C33P	3.6	200	33	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C6V8P	3.6	200	6.8	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C91P	3.6	200	91	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C20P	3.6	200	20	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C4V3P	3.6	200	4.3	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C12P	3.6	200	12	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C56P	3.6	200	56	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C160P	3.6	200	160	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C36P	3.6	200	36	10	2300	SMF (DO-219AB)	Pulse current	Yes
















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{TOT} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZD27C Series		BZD27C7V5P	3.6	200	7.5	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C100P	3.6	200	100	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C22P	3.6	200	22	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C4V7P	3.6	200	4.7	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C13P	3.6	200	13	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C62P	3.6	200	62	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C180P	3.6	200	180	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C39P	3.6	200	39	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C8V2P	3.6	200	8.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C110P	3.6	200	110	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C24P	3.6	200	24	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C5V1P	3.6	200	5.1	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C15P	3.6	200	15	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C68P	3.6	200	68	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C200P	3.6	200	200	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C43P	3.6	200	43	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C9V1P	3.6	200	9.1	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C120P	3.6	200	120	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C27P	3.6	200	27	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C5V6P	3.6	200	5.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C16P	3.6	200	16	25	2300	SMF (DO-219AB)	Pulse current	Yes




Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27C Series		BZD27C3V6P	3.6	200	3.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C75P	3.6	200	75	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C10P	3.6	200	10	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C47P	3.6	200	47	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C130P	3.6	200	130	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C30P	3.6	200	30	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C Series		BZD27C6V2P	3.6	200	6.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C180P-M	3.6	200	180	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C39P-M	3.6	200	39	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C8V2P-M	3.6	200	8.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C24P-M	3.6	200	24	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C5V1P-M	3.6	200	5.1	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C110P-M	3.6	200	110	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C3V6P-M	3.6	200	3.6	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C68P-M	3.6	200	68	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C15P-M	3.6	200	15	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C200P-M	3.6	200	200	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C43P-M	3.6	200	43	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C9V1P-M	3.6	200	9.1	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C27P-M	3.6	200	27	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C5V6P-M	3.6	200	5.6	100	2300	SMF (DO-219AB)	Pulse current	Yes








Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27C-M Series		BZD27C120P-M	3.6	200	120	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C16P-M	3.6	200	16	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C3V9P-M	3.6	200	3.9	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C75P-M	3.6	200	75	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C47P-M	3.6	200	47	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C10P-M	3.6	200	10	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C30P-M	3.6	200	30	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C6V2P-M	3.6	200	6.2	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C130P-M	3.6	200	130	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C18P-M	3.6	200	18	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C4V3P-M	3.6	200	4.3	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C82P-M	3.6	200	82	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C51P-M	3.6	200	51	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C11P-M	3.6	200	11	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C150P-M	3.6	200	150	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C33P-M	3.6	200	33	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C6V8P-M	3.6	200	6.8	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C20P-M	3.6	200	20	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C4V7P-M	3.6	200	4.7	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C91P-M	3.6	200	91	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C56P-M	3.6	200	56	10	2300	SMF (DO-219AB)	Pulse current	Yes

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZD27C-M Series		BZD27C12P-M	3.6	200	12	50	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C160P-M	3.6	200	160	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C36P-M	3.6	200	36	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C7V5P-M	3.6	200	7.5	100	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C22P-M	3.6	200	22	25	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C100P-M	3.6	200	100	5	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C62P-M	3.6	200	62	10	2300	SMF (DO-219AB)	Pulse current	Yes
BZD27C-M Series		BZD27C13P-M	3.6	200	13	50	2300	SMF (DO-219AB)	Pulse current	Yes
























SMALL SIGNAL DIODES - ZENER DIODES



























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 20B	4.2	38	21.2	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 4.3B	4.2	38	4.6	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 12B	4.2	38	12.8	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 36B	4.2	38	38	10	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 7.5B	4.2	38	8	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 22B	4.2	38	23.3	10	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 4.7B	4.2	38	5	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 13B	4.2	38	14.2	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 8.2B	4.2	38	8.8	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 24B	4.2	38	25.8	10	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 5.1B	4.2	38	5.4	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 15B	4.2	38	15.6	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 9.1B	4.2	38	9.7	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 27B	4.2	38	28.9	10	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B	 eSMP® Series SMP (DO-220AA)	PTV 5.6B	4.2	38	6	40	1500	SMP (DO-220AA)	Pulse current	No



























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
PTV3.9B thru PTV36B		PTV 16B	4.2	38	17.3	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 10B	4.2	38	10.6	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 30B	4.2	38	32	10	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 6.2B	4.2	38	6.6	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 18B	4.2	38	19.2	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 3.9B	4.2	38	4.2	40	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 11B	4.2	38	11.7	20	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 33B	4.2	38	35	10	1500	SMP (DO-220AA)	Pulse current	No
PTV3.9B thru PTV36B		PTV 6.8B	4.2	38	7.3	40	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3928B	5.6	43	13	28.8	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3939B	5.6	43	39	9.6	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3923B	5.6	43	8.2	45.7	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3934B	5.6	43	24	15.6	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3929B	5.6	43	15	25	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3924B	5.6	43	9.1	41.2	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B		SMPZ3935B	5.6	43	27	13.9	1500	SMP (DO-220AA)	Pulse current	No



























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3919B	5.6	43	5.6	66.9	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3930B	5.6	43	16	23.4	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3940B	5.6	43	43	8.7	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3925B	5.6	43	10	37.5	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3936B	5.6	43	30	12.5	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3920B	5.6	43	6.2	60.5	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3931B	5.6	43	18	20.8	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3926B	5.6	43	11	34.1	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3937B	5.6	43	33	11.4	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3921B	5.6	43	6.8	55.1	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3932B	5.6	43	20	18.7	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3927B	5.6	43	12	31.2	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3938B	5.6	43	36	10.4	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3922B	5.6	43	7.5	50.0	1500	SMP (DO-220AA)	Pulse current	No
SMPZ39XB thru SMPZ3940B	 eSMP® Series SMP (DO-220AA)	SMPZ3933B	5.6	43	22	17.0	1500	SMP (DO-220AA)	Pulse current	No



























SMALL SIGNAL DIODES - ZENER DIODES


























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZT52-G-Series		BZT52C4V3-G	2.4	75	4.3	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B11-G	2.4	75	11	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B2V4-G	2.4	75	2.4	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C18-G	2.4	75	18	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B47-G	2.4	75	47	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C51-G	2.4	75	51	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C11-G	2.4	75	11	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B30-G	2.4	75	30	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C2V7-G	2.4	75	2.7	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B6V8-G	2.4	75	6.8	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C7V5-G	2.4	75	7.5	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B20-G	2.4	75	20	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B4V3-G	2.4	75	4.3	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C33-G	2.4	75	33	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C4V7-G	2.4	75	4.7	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B12-G	2.4	75	12	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B2V7-G	2.4	75	2.7	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C20-G	2.4	75	20	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B51-G	2.4	75	51	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C56-G	2.4	75	56	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C12-G	2.4	75	12	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B33-G	2.4	75	33	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C3V0-G	2.4	75	3	5	500	SOD-123	Pulse current	Yes























Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT52-G-Series		BZT52B7V5-G	2.4	75	7.5	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C36-G	2.4	75	36	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C8V2-G	2.4	75	8.2	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B22-G	2.4	75	22	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B4V7-G	2.4	75	4.7	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C5V1-G	2.4	75	5.1	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B13-G	2.4	75	13	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B3V0-G	2.4	75	3	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C22-G	2.4	75	22	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B56-G	2.4	75	56	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C62-G	2.4	75	62	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C13-G	2.4	75	13	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B36-G	2.4	75	36	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C3V3-G	2.4	75	3.3	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B8V2-G	2.4	75	8.2	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C39-G	2.4	75	39	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C9V1-G	2.4	75	9.1	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B5V1-G	2.4	75	5.1	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C5V6-G	2.4	75	5.6	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B15-G	2.4	75	15	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B3V3-G	2.4	75	3.3	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C24-G	2.4	75	24	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B62-G	2.4	75	62	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B9V1-G	2.4	75	9.1	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C68-G	2.4	75	68	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C15-G	2.4	75	15	5	500	SOD-123	Pulse current	Yes























Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT52-G-Series		BZT52B39-G	2.4	75	39	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C3V6-G	2.4	75	3.6	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C43-G	2.4	75	43	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C10-G	2.4	75	10	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B24-G	2.4	75	24	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B5V6-G	2.4	75	5.6	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C6V2-G	2.4	75	6.2	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B16-G	2.4	75	16	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B3V6-G	2.4	75	3.6	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C27-G	2.4	75	27	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B68-G	2.4	75	68	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C3V9-G	2.4	75	3.9	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B10-G	2.4	75	10	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C75-G	2.4	75	75	2.5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C16-G	2.4	75	16	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B43-G	2.4	75	43	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C47-G	2.4	75	47	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B27-G	2.4	75	27	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C2V4-G	2.4	75	2.4	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B6V2-G	2.4	75	6.2	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C6V8-G	2.4	75	6.8	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B18-G	2.4	75	18	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B3V9-G	2.4	75	3.9	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52C30-G	2.4	75	30	5	500	SOD-123	Pulse current	Yes
BZT52-G-Series		BZT52B75-G	2.4	75	75	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C12	2.4	75	12	5	500	SOD-123	Pulse current	Yes























Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT52-Series		BZT52B33	2.4	75	33	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C2V7	2.4	75	2.7	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B6V8	2.4	75	6.8	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C56	2.4	75	56	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C7V5	2.4	75	7.5	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B20	2.4	75	20	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B4V7	2.4	75	4.7	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C36	2.4	75	36	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B3V0	2.4	75	3	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C22	2.4	75	22	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B56	2.4	75	56	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C4V7	2.4	75	4.7	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B12	2.4	75	12	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C62	2.4	75	62	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C13	2.4	75	13	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B36	2.4	75	36	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C3V0	2.4	75	3	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B7V5	2.4	75	7.5	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C8V2	2.4	75	8.2	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B22	2.4	75	22	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C39	2.4	75	39	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B3V3	2.4	75	3.3	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C24	2.4	75	24	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B62	2.4	75	62	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C5V1	2.4	75	5.1	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B13	2.4	75	13	5	500	SOD-123	Pulse current	Yes























Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
BZT52-Series		BZT52C68	2.4	75	68	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C15	2.4	75	15	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B39	2.4	75	39	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C3V3	2.4	75	3.3	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B8V2	2.4	75	8.2	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C9V1	2.4	75	9.1	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B24	2.4	75	24	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B5V1	2.4	75	5.1	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C43	2.4	75	43	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B15	2.4	75	15	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B3V6	2.4	75	3.6	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C27	2.4	75	27	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B68	2.4	75	68	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C5V6	2.4	75	5.6	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C75	2.4	75	75	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C16	2.4	75	16	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B43	2.4	75	43	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C3V6	2.4	75	3.6	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B9V1	2.4	75	9.1	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C10	2.4	75	10	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B27	2.4	75	27	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B5V6	2.4	75	5.6	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C47	2.4	75	47	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B16	2.4	75	16	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B3V9	2.4	75	3.9	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C30	2.4	75	30	5	500	SOD-123	Pulse current	Yes























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BZT52-Series		BZT52B75	2.4	75	75	2.5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C6V2	2.4	75	6.2	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B2V4	2.4	75	2.4	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C18	2.4	75	18	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B47	2.4	75	47	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C3V9	2.4	75	3.9	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B10	2.4	75	10	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C11	2.4	75	11	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B30	2.4	75	30	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C2V4	2.4	75	2.4	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B6V2	2.4	75	6.2	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C51	2.4	75	51	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C6V8	2.4	75	6.8	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B18	2.4	75	18	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B4V3	2.4	75	4.3	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C33	2.4	75	33	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B2V7	2.4	75	2.7	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C20	2.4	75	20	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B51	2.4	75	51	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52C4V3	2.4	75	4.3	5	500	SOD-123	Pulse current	Yes
BZT52-Series		BZT52B11	2.4	75	11	5	500	SOD-123	Pulse current	Yes
MMSZ4681 to MMSZ4717		MMSZ4705	2.4	43	18	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4689	2.4	43	5.1	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4716	2.4	43	39	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4700	2.4	43	13	0.05	500	SOD-123	Thermal equilibrium	Yes























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MMSZ4681 to MMSZ4717		MMSZ4684	2.4	43	3.3	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4695	2.4	43	8.7	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4711	2.4	43	27	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4706	2.4	43	19	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4690	2.4	43	5.6	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4717	2.4	43	43	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4701	2.4	43	14	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4685	2.4	43	3.6	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4696	2.4	43	9.1	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4712	2.4	43	28	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4691	2.4	43	6.2	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4707	2.4	43	20	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4702	2.4	43	15	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4686	2.4	43	3.9	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4697	2.4	43	10	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4681	2.4	43	2.4	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4713	2.4	43	30	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4692	2.4	43	6.8	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4708	2.4	43	22	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4703	2.4	43	16	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4687	2.4	43	4.3	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4714	2.4	43	33	0.05	500	SOD-123	Thermal equilibrium	Yes























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MMSZ4681 to MMSZ4717		MMSZ4698	2.4	43	11	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4682	2.4	43	2.7	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4693	2.4	43	7.5	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4709	2.4	43	24	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4704	2.4	43	17	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4688	2.4	43	4.7	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4715	2.4	43	36	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4699	2.4	43	12	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4683	2.4	43	3	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4694	2.4	43	8.2	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681 to MMSZ4717		MMSZ4710	2.4	43	25	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4707-G	2.4	43	20	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4691-G	2.4	43	6.2	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4686-G	2.4	43	3.9	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4717-G	2.4	43	43	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4702-G	2.4	43	15	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4681-G	2.4	43	2.4	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4697-G	2.4	43	10	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4708-G	2.4	43	22	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4692-G	2.4	43	6.8	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4703-G	2.4	43	16	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4687-G	2.4	43	4.3	0.05	500	SOD-123	Thermal equilibrium	Yes



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MMSZ4681-G to MMSZ4717-G		MMSZ4682-G	2.4	43	2.7	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4713-G	2.4	43	30	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4698-G	2.4	43	11	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4709-G	2.4	43	24	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4705-G	2.4	43	18	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4684-G	2.4	43	3.3	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4715-G	2.4	43	36	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4700-G	2.4	43	13	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4711-G	2.4	43	27	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4695-G	2.4	43	8.7	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4706-G	2.4	43	19	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4690-G	2.4	43	5.6	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4685-G	2.4	43	3.6	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4716-G	2.4	43	39	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4701-G	2.4	43	14	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4712-G	2.4	43	28	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4696-G	2.4	43	9.1	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4707-G	2.4	43	20	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4691-G	2.4	43	6.2	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4686-G	2.4	43	3.9	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4717-G	2.4	43	43	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4702-G	2.4	43	15	0.05	500	SOD-123	Thermal equilibrium	Yes

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MMSZ4681-G to MMSZ4717-G		MMSZ4697-G	2.4	43	10	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4681-G	2.4	43	2.4	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4708-G	2.4	43	22	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ4681-G to MMSZ4717-G		MMSZ4692-G	2.4	43	6.8	0.05	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5255	3.3	75	28	4.5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5239	3.3	75	9.1	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5250	3.3	75	20	6.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5234	3.3	75	6.2	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5266	3.3	75	68	1.8	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5261	3.3	75	47	2.7	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5245	3.3	75	15	8.5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5225	3.3	75	3	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5256	3.3	75	30	4.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5240	3.3	75	10	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5251	3.3	75	22	5.6	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5235	3.3	75	6.8	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5267	3.3	75	75	1.7	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5246	3.3	75	16	7.8	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5230	3.3	75	4.7	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5262	3.3	75	51	2.5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5226	3.3	75	3.3	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5257	3.3	75	33	3.8	500	SOD-123	Thermal equilibrium	Yes





















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MMSZ5225 to MMSZ5267		MMSZ5241	3.3	75	11	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5252	3.3	75	24	5.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5236	3.3	75	7.5	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5247	3.3	75	17	7.4	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5231	3.3	75	5.1	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5263	3.3	75	56	2.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5227	3.3	75	3.6	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5258	3.3	75	36	3.4	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5242	3.3	75	12	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5253	3.3	75	25	5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5237	3.3	75	8.2	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5248	3.3	75	18	7	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5232	3.3	75	5.6	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5264	3.3	75	60	2.1	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5228	3.3	75	3.9	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5259	3.3	75	39	3.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5243	3.3	75	13	9.5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5254	3.3	75	27	4.6	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5238	3.3	75	8.7	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5249	3.3	75	19	6.6	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5233	3.3	75	6	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5265	3.3	75	62	2	500	SOD-123	Thermal equilibrium	Yes























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MMSZ5225 to MMSZ5267		MMSZ5229	3.3	75	4.3	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5260	3.3	75	43	3	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225 to MMSZ5267		MMSZ5244	3.3	75	14	9	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5241-G	3	75	11	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5225-G	3	75	3	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5257-G	3	75	33	3.8	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5236-G	3	75	7.5	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5267-G	3	75	75	1.7	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5252-G	3	75	24	5.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5263-G	3	75	56	2.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5247-G	3	75	17	7.4	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5231-G	3	75	5.1	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5258-G	3	75	36	3.4	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5242-G	3	75	12	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5226-G	3	75	3.3	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5237-G	3	75	8.2	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5253-G	3	75	25	5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5264-G	3	75	60	2.1	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5248-G	3	75	18	7	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5232-G	3	75	5.6	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5259-G	3	75	39	3.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5243-G	3	75	13	9.5	500	SOD-123	Thermal equilibrium	Yes























Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
MMSZ5225-G to MMSZ5267-G		MMSZ5227-G	3	75	3.6	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5238-G	3	75	8.7	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5254-G	3	75	27	4.6	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5249-G	3	75	19	6.6	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5233-G	3	75	6	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5260-G	3	75	43	3	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5244-G	3	75	14	9	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5228-G	3	75	3.9	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5239-G	3	75	9.1	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5255-G	3	75	28	4.5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5265-G	3	75	62	2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5250-G	3	75	20	6.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5234-G	3	75	6.2	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5261-G	3	75	47	2.7	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5245-G	3	75	15	8.5	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5229-G	3	75	4.3	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5240-G	3	75	10	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5256-G	3	75	30	4.2	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5235-G	3	75	6.8	20	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5266-G	3	75	68	1.8	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5251-G	3	75	22	5.6	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5262-G	3	75	51	2.5	500	SOD-123	Thermal equilibrium	Yes























Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
MMSZ5225-G to MMSZ5267-G		MMSZ5246-G	3	75	16	7.8	500	SOD-123	Thermal equilibrium	Yes
MMSZ5225-G to MMSZ5267-G		MMSZ5230-G	3	75	4.7	20	500	SOD-123	Thermal equilibrium	Yes























SMALL SIGNAL DIODES - ZENER DIODES























Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)				Specification	
BZX384-G-Series		BZX384C3V0-G	2.4	75	3	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B7V5-G	2.4	75	7.5	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C56-G	2.4	75	56	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C13-G	2.4	75	13	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B36-G	2.4	75	36	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C39-G	2.4	75	39	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C8V2-G	2.4	75	8.2	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B22-G	2.4	75	22	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B4V7-G	2.4	75	4.7	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C24-G	2.4	75	24	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B62-G	2.4	75	62	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C5V1-G	2.4	75	5.1	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B13-G	2.4	75	13	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B3V0-G	2.4	75	3	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C3V3-G	2.4	75	3.3	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B8V2-G	2.4	75	8.2	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C62-G	2.4	75	62	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C15-G	2.4	75	15	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B39-G	2.4	75	39	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B5V1-G	2.4	75	5.1	5	200	SOD-323	Pulse current	Yes























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX384-G-Series		BZX384C9V1-G	2.4	75	9.1	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B24-G	2.4	75	24	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C27-G	2.4	75	27	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B68-G	2.4	75	68	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C5V6-G	2.4	75	5.6	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B15-G	2.4	75	15	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B3V3-G	2.4	75	3.3	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C3V6-G	2.4	75	3.6	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B9V1-G	2.4	75	9.1	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C68-G	2.4	75	68	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C16-G	2.4	75	16	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B43-G	2.4	75	43	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B5V6-G	2.4	75	5.6	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C43-G	2.4	75	43	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C10-G	2.4	75	10	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B27-G	2.4	75	27	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C30-G	2.4	75	30	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B75-G	2.4	75	75	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C6V2-G	2.4	75	6.2	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B16-G	2.4	75	16	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B3V6-G	2.4	75	3.6	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B47-G	2.4	75	47	2	200	SOD-323	Pulse current	Yes























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX384-G-Series		BZX384C3V9-G	2.4	75	3.9	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B10-G	2.4	75	10	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C75-G	2.4	75	75	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C18-G	2.4	75	18	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C2V4-G	2.4	75	2.4	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B6V2-G	2.4	75	6.2	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C47-G	2.4	75	47	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C11-G	2.4	75	11	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B30-G	2.4	75	30	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C33-G	2.4	75	33	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C6V8-G	2.4	75	6.8	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B18-G	2.4	75	18	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B3V9-G	2.4	75	3.9	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C20-G	2.4	75	20	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B51-G	2.4	75	51	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C4V3-G	2.4	75	4.3	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B11-G	2.4	75	11	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B2V4-G	2.4	75	2.4	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C2V7-G	2.4	75	2.7	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B6V8-G	2.4	75	6.8	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C51-G	2.4	75	51	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C12-G	2.4	75	12	5	200	SOD-323	Pulse current	Yes























Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX384-G-Series		BZX384B33-G	2.4	75	33	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C36-G	2.4	75	36	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C7V5-G	2.4	75	7.5	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B20-G	2.4	75	20	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B4V3-G	2.4	75	4.3	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C22-G	2.4	75	22	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B56-G	2.4	75	56	2	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384C4V7-G	2.4	75	4.7	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B12-G	2.4	75	12	5	200	SOD-323	Pulse current	Yes
BZX384-G-Series		BZX384B2V7-G	2.4	75	2.7	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C39	2.4	75	39	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B22	2.4	75	22	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B5V1	2.4	75	5.1	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C5V6	2.4	75	5.6	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B15	2.4	75	15	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B3V3	2.4	75	3.3	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C24	2.4	75	24	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B62	2.4	75	62	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B9V1	2.4	75	9.1	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C68	2.4	75	68	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C15	2.4	75	15	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B39	2.4	75	39	2	200	SOD-323	Pulse current	Yes















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX384-Series		BZX384C3V6	2.4	75	3.6	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C43	2.4	75	43	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C9V1	2.4	75	9.1	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B24	2.4	75	24	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B5V6	2.4	75	5.6	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C6V2	2.4	75	6.2	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B16	2.4	75	16	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B3V6	2.4	75	3.6	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C27	2.4	75	27	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B68	2.4	75	68	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C3V9	2.4	75	3.9	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B10	2.4	75	10	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C75	2.4	75	75	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C16	2.4	75	16	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B43	2.4	75	43	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C47	2.4	75	47	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C10	2.4	75	10	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B27	2.4	75	27	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C2V4	2.4	75	2.4	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B6V2	2.4	75	6.2	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B75	2.4	75	75	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C6V8	2.4	75	6.8	5	200	SOD-323	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{ZT} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX384-Series		BZX384B18	2.4	75	18	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B3V9	2.4	75	3.9	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C30	2.4	75	30	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C4V3	2.4	75	4.3	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B11	2.4	75	11	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B2V4	2.4	75	2.4	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C18	2.4	75	18	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B47	2.4	75	47	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C51	2.4	75	51	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C11	2.4	75	11	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B30	2.4	75	30	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C2V7	2.4	75	2.7	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B6V8	2.4	75	6.8	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C7V5	2.4	75	7.5	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B4V3	2.4	75	4.3	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C33	2.4	75	33	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C4V7	2.4	75	4.7	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B12	2.4	75	12	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B2V7	2.4	75	2.7	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C20	2.4	75	20	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B51	2.4	75	51	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C56	2.4	75	56	2	200	SOD-323	Pulse current	Yes


















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX384-Series		BZX384C12	2.4	75	12	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B33	2.4	75	33	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C3V0	2.4	75	3	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B7V5	2.4	75	7.5	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C36	2.4	75	36	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C8V2	2.4	75	8.2	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B20	2.4	75	20	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B4V7	2.4	75	4.7	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C5V1	2.4	75	5.1	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B13	2.4	75	13	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B3V0	2.4	75	3	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C22	2.4	75	22	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B56	2.4	75	56	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C62	2.4	75	62	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C13	2.4	75	13	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B36	2.4	75	36	2	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384C3V3	2.4	75	3.3	5	200	SOD-323	Pulse current	Yes
BZX384-Series		BZX384B8V2	2.4	75	8.2	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ6V8B-G	2	36	6.8	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ33B-G	2	36	33	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ20B-G	2	36	20	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ4V3B-G	2	36	4.3	5	200	SOD-323	Pulse current	Yes






Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
GDZ-G-Series		GDZ12B-G	2	36	12	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ2V7B-G	2	36	2.7	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ7V5B-G	2	36	7.5	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ36B-G	2	36	36	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ22B-G	2	36	22	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ4V7B-G	2	36	4.7	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ13B-G	2	36	13	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ3V0B-G	2	36	3	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ8V2B-G	2	36	8.2	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ24B-G	2	36	24	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ5V1B-G	2	36	5.1	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ15B-G	2	36	15	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ3V3B-G	2	36	3.3	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ9V1B-G	2	36	9.1	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ2V0B-G	2	36	2	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ27B-G	2	36	27	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ5V6B-G	2	36	5.6	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ16B-G	2	36	16	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ3V6B-G	2	36	3.6	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ10B-G	2	36	10	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ2V2B-G	2	36	2.2	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ30B-G	2	36	30	5	200	SOD-323	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
GDZ-G-Series		GDZ6V2B-G	2	36	6.2	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ18B-G	2	36	18	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ3V9B-G	2	36	3.9	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ11B-G	2	36	11	5	200	SOD-323	Pulse current	Yes
GDZ-G-Series		GDZ2V4B-G	2	36	2.4	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ16B	2	36	16	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ3V6B	2	36	3.6	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ10B	2	36	10	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ2V2B	2	36	2.2	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ30B	2	36	30	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ6V2B	2	36	6.2	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ18B	2	36	18	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ3V9B	2	36	3.9	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ11B	2	36	11	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ2V4B	2	36	2.4	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ33B	2	36	33	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ6V8B	2	36	6.8	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ20B	2	36	20	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ4V3B	2	36	4.3	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ12B	2	36	12	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ2V7B	2	36	2.7	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ36B	2	36	36	5	200	SOD-323	Pulse current	Yes














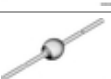
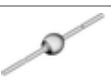




Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
GDZ-Series		GDZ7V5B	2	36	7.5	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ22B	2	36	22	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ4V7B	2	36	4.7	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ13B	2	36	13	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ3V0B	2	36	3	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ2V0B	2	36	2	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ8V2B	2	36	8.2	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ24B	2	36	24	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ5V1B	2	36	5.1	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ15B	2	36	15	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ3V3B	2	36	3.3	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ9V1B	2	36	9.1	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ27B	2	36	27	5	200	SOD-323	Pulse current	Yes
GDZ-Series		GDZ5V6B	2	36	5.6	5	200	SOD-323	Pulse current	Yes










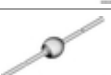
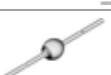











SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{ZT}	P _{TOT}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min.	Max.	Nom.	(mA)	(mW)		Specification	
			(V)	(V)	(V)					
BZX584C-Series		BZX584C16	2.2	36	16	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C3V6	2.2	36	3.6	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C10	2.2	36	10	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C2V2	2.2	36	2.2	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C30	2.2	36	30	2	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C6V2	2.2	36	6.2	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C18	2.2	36	18	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C3V9	2.2	36	3.9	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C11	2.2	36	11	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C2V4	2.2	36	2.4	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C33	2.2	36	33	2	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C6V8	2.2	36	6.8	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C20	2.2	36	20	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C4V3	2.2	36	4.3	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C12	2.2	36	12	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C2V7	2.2	36	2.7	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C7V5	2.2	36	7.5	5	200	SOD-523	Pulse current	Yes

















Series	Product Image	Part Number	V _z	V _z	V _z	I _{zt}	P _{tot}	Package (JEDEC®) Code	V _z	AEC-Q101 Qualified
			Min.	Max.	Nom.				Specification	
			(V)	(V)	(V)	(mA)	(mW)			
BZX584C-Series		BZX584C36	2.2	36	36	2	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C22	2.2	36	22	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C4V7	2.2	36	4.7	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C13	2.2	36	13	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C3V0	2.2	36	3	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C8V2	2.2	36	8.2	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C24	2.2	36	24	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C5V1	2.2	36	5.1	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C15	2.2	36	15	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C3V3	2.2	36	3.3	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C9V1	2.2	36	9.1	5	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C27	2.2	36	27	2	200	SOD-523	Pulse current	Yes
BZX584C-Series		BZX584C5V6	2.2	36	5.6	5	200	SOD-523	Pulse current	Yes

SMALL SIGNAL DIODES - ZENER DIODES

Series	Product Image	Part Number	V_z	V_z	V_z	I_{zt}	P_{tot}	Package (JEDEC®) Code	V_z Specification	AEC- Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
BZT03-Series		BZT03C220	6.2	300	220	2	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C47	6.2	300	47	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C10	6.2	300	10	50	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C30	6.2	300	30	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C6V2	6.2	300	6.2	100	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C130	6.2	300	130	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C82	6.2	300	82	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C18	6.2	300	18	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C240	6.2	300	240	2	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C51	6.2	300	51	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C11	6.2	300	11	50	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C33	6.2	300	33	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C6V8	6.2	300	6.8	100	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C150	6.2	300	150	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C91	6.2	300	91	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C20	6.2	300	20	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C270	6.2	300	270	2	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C56	6.2	300	56	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C12	6.2	300	12	50	3250	SOD-57	Pulse current	No










Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{ZT}	P _{TOT}	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
			Min. (V)	Max. (V)	Nom. (V)					
BZT03-Series		BZT03C36	6.2	300	36	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C7V5	6.2	300	7.5	100	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C160	6.2	300	160	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C22	6.2	300	22	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C100	6.2	300	100	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C300	6.2	300	300	2	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C62	6.2	300	62	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C13	6.2	300	13	50	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C39	6.2	300	39	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C8V2	6.2	300	8.2	100	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C180	6.2	300	180	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C24	6.2	300	24	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C110	6.2	300	110	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C68	6.2	300	68	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C15	6.2	300	15	50	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C200	6.2	300	200	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C43	6.2	300	43	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C9V1	6.2	300	9.1	50	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C27	6.2	300	27	25	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C120	6.2	300	120	5	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C75	6.2	300	75	10	3250	SOD-57	Pulse current	No
BZT03-Series		BZT03C16	6.2	300	16	25	3250	SOD-57	Pulse current	No







SMALL SIGNAL DIODES - ZENER DIODES



















Series	Product Image	Part Number	V _Z	V _Z	V _Z	I _{Zt}	P _{tot}	Package (JEDEC®) Code	V _Z	AEC-Q101 Qualified
			Min.	Max.	Nom.				Specification	
			(V)	(V)	(V)	(mA)	(mW)			
AZ23-G-Series		AZ23C8V2-G	2.7	51	8.2	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B36-G	2.7	51	36	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B7V5-G	2.7	51	7.5	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C36-G	2.7	51	36	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B4V7-G	2.7	51	4.7	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C24-G	2.7	51	24	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C5V1-G	2.7	51	5.1	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B22-G	2.7	51	22	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C15-G	2.7	51	15	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C3V3-G	2.7	51	3.3	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B13-G	2.7	51	13	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B3V0-G	2.7	51	3	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C9V1-G	2.7	51	9.1	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B39-G	2.7	51	39	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B8V2-G	2.7	51	8.2	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C39-G	2.7	51	39	5	300	SOT-23	Pulse current	Yes















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
AZ23-G-Series		AZ23B5V1-G	2.7	51	5.1	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C5V6-G	2.7	51	5.6	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B24-G	2.7	51	24	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B3V3-G	2.7	51	3.3	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C16-G	2.7	51	16	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C3V6-G	2.7	51	3.6	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B15-G	2.7	51	15	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C10-G	2.7	51	10	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B43-G	2.7	51	43	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B9V1-G	2.7	51	9.1	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C43-G	2.7	51	43	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B5V6-G	2.7	51	5.6	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C27-G	2.7	51	27	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C6V2-G	2.7	51	6.2	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B27-G	2.7	51	27	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B3V6-G	2.7	51	3.6	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C18-G	2.7	51	18	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C3V9-G	2.7	51	3.9	5	300	SOT-23	Pulse current	Yes


















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
AZ23-G-Series		AZ23B16-G	2.7	51	16	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C11-G	2.7	51	11	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B47-G	2.7	51	47	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B10-G	2.7	51	10	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C47-G	2.7	51	47	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B30-G	2.7	51	30	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B6V2-G	2.7	51	6.2	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C30-G	2.7	51	30	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C6V8-G	2.7	51	6.8	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B3V9-G	2.7	51	3.9	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C20-G	2.7	51	20	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C4V3-G	2.7	51	4.3	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B18-G	2.7	51	18	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C12-G	2.7	51	12	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B51-G	2.7	51	51	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C2V7-G	2.7	51	2.7	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B11-G	2.7	51	11	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C51-G	2.7	51	51	5	300	SOT-23	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
AZ23-G-Series		AZ23B33-G	2.7	51	33	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B6V8-G	2.7	51	6.8	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C33-G	2.7	51	33	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C7V5-G	2.7	51	7.5	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B4V3-G	2.7	51	4.3	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C22-G	2.7	51	22	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C4V7-G	2.7	51	4.7	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B20-G	2.7	51	20	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C13-G	2.7	51	13	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23C3V0-G	2.7	51	3	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B12-G	2.7	51	12	5	300	SOT-23	Pulse current	Yes
AZ23-G-Series		AZ23B2V7-G	2.7	51	2.7	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B20	2.7	51	20	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B3V9	2.7	51	3.9	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C18	2.7	51	18	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C3V9	2.7	51	3.9	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C11	2.7	51	11	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B12	2.7	51	12	5	300	SOT-23	Pulse current	Yes




Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
AZ23-Series		AZ23C51	2.7	51	51	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B36	2.7	51	36	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B6V8	2.7	51	6.8	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C33	2.7	51	33	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C6V8	2.7	51	6.8	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B22	2.7	51	22	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B4V3	2.7	51	4.3	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C20	2.7	51	20	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C4V3	2.7	51	4.3	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C12	2.7	51	12	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C2V7	2.7	51	2.7	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B13	2.7	51	13	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B2V7	2.7	51	2.7	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B39	2.7	51	39	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B7V5	2.7	51	7.5	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B8V2	2.7	51	8.2	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C36	2.7	51	36	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C7V5	2.7	51	7.5	5	300	SOT-23	Pulse current	Yes

Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
AZ23-Series		AZ23B24	2.7	51	24	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B4V7	2.7	51	4.7	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C22	2.7	51	22	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C4V7	2.7	51	4.7	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C13	2.7	51	13	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C3V0	2.7	51	3	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B15	2.7	51	15	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B3V0	2.7	51	3	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C8V2	2.7	51	8.2	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B43	2.7	51	43	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B9V1	2.7	51	9.1	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C39	2.7	51	39	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B27	2.7	51	27	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B5V1	2.7	51	5.1	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C24	2.7	51	24	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C5V1	2.7	51	5.1	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C15	2.7	51	15	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C3V3	2.7	51	3.3	5	300	SOT-23	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
AZ23-Series		AZ23B16	2.7	51	16	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B3V3	2.7	51	3.3	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C9V1	2.7	51	9.1	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B47	2.7	51	47	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B10	2.7	51	10	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C43	2.7	51	43	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B30	2.7	51	30	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B5V6	2.7	51	5.6	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C27	2.7	51	27	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C5V6	2.7	51	5.6	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B18	2.7	51	18	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B3V6	2.7	51	3.6	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C16	2.7	51	16	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C3V6	2.7	51	3.6	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C10	2.7	51	10	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B51	2.7	51	51	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B11	2.7	51	11	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C47	2.7	51	47	5	300	SOT-23	Pulse current	Yes



















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
AZ23-Series		AZ23B33	2.7	51	33	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23B6V2	2.7	51	6.2	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C30	2.7	51	30	5	300	SOT-23	Pulse current	Yes
AZ23-Series		AZ23C6V2	2.7	51	6.2	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C3V6-G	2.4	75	3.6	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B9V1-G	2.4	75	9.1	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C75-G	2.4	75	75	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C16-G	2.4	75	16	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B43-G	2.4	75	43	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C47-G	2.4	75	47	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C10-G	2.4	75	10	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B27-G	2.4	75	27	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B5V6-G	2.4	75	5.6	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C30-G	2.4	75	30	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B75-G	2.4	75	75	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C6V2-G	2.4	75	6.2	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B16-G	2.4	75	16	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B3V6-G	2.4	75	3.6	5	300	SOT-23	Pulse current	Yes


















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-G-Series		BZX84C3V9-G	2.4	75	3.9	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B10-G	2.4	75	10	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B2V4-G	2.4	75	2.4	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C18-G	2.4	75	18	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B47-G	2.4	75	47	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B6V2-G	2.4	75	6.2	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C51-G	2.4	75	51	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C11-G	2.4	75	11	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B30-G	2.4	75	30	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C2V4-G	2.4	75	2.4	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C33-G	2.4	75	33	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C6V8-G	2.4	75	6.8	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B18-G	2.4	75	18	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B3V9-G	2.4	75	3.9	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C4V3-G	2.4	75	4.3	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B11-G	2.4	75	11	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C20-G	2.4	75	20	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B51-G	2.4	75	51	2	300	SOT-23	Pulse current	Yes



















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-G-Series		BZX84B6V8-G	2.4	75	6.8	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C56-G	2.4	75	56	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C12-G	2.4	75	12	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B33-G	2.4	75	33	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C2V7-G	2.4	75	2.7	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C36-G	2.4	75	36	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C7V5-G	2.4	75	7.5	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B20-G	2.4	75	20	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B4V3-G	2.4	75	4.3	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B56-G	2.4	75	56	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C4V7-G	2.4	75	4.7	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B12-G	2.4	75	12	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B2V7-G	2.4	75	2.7	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C22-G	2.4	75	22	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C3V0-G	2.4	75	3	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B7V5-G	2.4	75	7.5	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C62-G	2.4	75	62	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C13-G	2.4	75	13	5	300	SOT-23	Pulse current	Yes



















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-G-Series		BZX84B36-G	2.4	75	36	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C39-G	2.4	75	39	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C8V2-G	2.4	75	8.2	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B22-G	2.4	75	22	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B4V7-G	2.4	75	4.7	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C24-G	2.4	75	24	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B62-G	2.4	75	62	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C5V1-G	2.4	75	5.1	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B13-G	2.4	75	13	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B3V0-G	2.4	75	3	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C3V3-G	2.4	75	3.3	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B8V2-G	2.4	75	8.2	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C68-G	2.4	75	68	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C15-G	2.4	75	15	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B39-G	2.4	75	39	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C43-G	2.4	75	43	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C9V1-G	2.4	75	9.1	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B24-G	2.4	75	24	5	300	SOT-23	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-G-Series		BZX84B5V1-G	2.4	75	5.1	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C27-G	2.4	75	27	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B68-G	2.4	75	68	2	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84C5V6-G	2.4	75	5.6	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B15-G	2.4	75	15	5	300	SOT-23	Pulse current	Yes
BZX84-G-Series		BZX84B3V3-G	2.4	75	3.3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C24	2.4	75	24	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B62	2.4	75	62	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B13	2.4	75	13	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B3V3	2.4	75	3.3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C15	2.4	75	15	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B39	2.4	75	39	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C3V6	2.4	75	3.6	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B9V1	2.4	75	9.1	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C68	2.4	75	68	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B5V6	2.4	75	5.6	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C43	2.4	75	43	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C9V1	2.4	75	9.1	5	300	SOT-23	Pulse current	Yes
















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-Series		BZX84B24	2.4	75	24	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B3V6	2.4	75	3.6	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C27	2.4	75	27	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B68	2.4	75	68	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C5V6	2.4	75	5.6	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B15	2.4	75	15	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C16	2.4	75	16	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B43	2.4	75	43	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C3V9	2.4	75	3.9	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B10	2.4	75	10	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C75	2.4	75	75	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C2V4	2.4	75	2.4	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B6V2	2.4	75	6.2	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C47	2.4	75	47	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C10	2.4	75	10	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B27	2.4	75	27	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B3V9	2.4	75	3.9	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C30	2.4	75	30	2	300	SOT-23	Pulse current	Yes













Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-Series		BZX84B75	2.4	75	75	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C6V2	2.4	75	6.2	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B16	2.4	75	16	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C18	2.4	75	18	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B47	2.4	75	47	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C4V3	2.4	75	4.3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B11	2.4	75	11	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B2V4	2.4	75	2.4	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C2V7	2.4	75	2.7	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B6V8	2.4	75	6.8	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C51	2.4	75	51	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C11	2.4	75	11	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B30	2.4	75	30	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B4V3	2.4	75	4.3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C33	2.4	75	33	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C6V8	2.4	75	6.8	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B18	2.4	75	18	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C20	2.4	75	20	5	300	SOT-23	Pulse current	Yes



Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-Series		BZX84B51	2.4	75	51	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C4V7	2.4	75	4.7	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B2V7	2.4	75	2.7	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B33	2.4	75	33	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C3V0	2.4	75	3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B7V5	2.4	75	7.5	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C56	2.4	75	56	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C12	2.4	75	12	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B4V7	2.4	75	4.7	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C36	2.4	75	36	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C7V5	2.4	75	7.5	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B20	2.4	75	20	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C22	2.4	75	22	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B56	2.4	75	56	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C5V1	2.4	75	5.1	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B12	2.4	75	12	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B3V0	2.4	75	3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C13	2.4	75	13	5	300	SOT-23	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
BZX84-Series		BZX84B36	2.4	75	36	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C3V3	2.4	75	3.3	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B8V2	2.4	75	8.2	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C62	2.4	75	62	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B5V1	2.4	75	5.1	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C39	2.4	75	39	2	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84C8V2	2.4	75	8.2	5	300	SOT-23	Pulse current	Yes
BZX84-Series		BZX84B22	2.4	75	22	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C20-G	2.7	51	20	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C4V3-G	2.7	51	4.3	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C12-G	2.7	51	12	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C2V7-G	2.7	51	2.7	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C51-G	2.7	51	51	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C7V5-G	2.7	51	7.5	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C33-G	2.7	51	33	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C22-G	2.7	51	22	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C4V7-G	2.7	51	4.7	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C13-G	2.7	51	13	5	300	SOT-23	Pulse current	Yes





















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
DZ23-G Series		DZ23C3V0-G	2.7	51	3	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C8V2-G	2.7	51	8.2	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C36-G	2.7	51	36	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C24-G	2.7	51	24	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C5V1-G	2.7	51	5.1	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C15-G	2.7	51	15	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C3V3-G	2.7	51	3.3	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C9V1-G	2.7	51	9.1	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C39-G	2.7	51	39	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C27-G	2.7	51	27	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C5V6-G	2.7	51	5.6	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C16-G	2.7	51	16	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C3V6-G	2.7	51	3.6	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C10-G	2.7	51	10	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C43-G	2.7	51	43	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C6V2-G	2.7	51	6.2	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C18-G	2.7	51	18	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C3V9-G	2.7	51	3.9	5	300	SOT-23	Pulse current	Yes

Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
DZ23-G Series		DZ23C11-G	2.7	51	11	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C47-G	2.7	51	47	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C30-G	2.7	51	30	5	300	SOT-23	Pulse current	Yes
DZ23-G Series		DZ23C6V8-G	2.7	51	6.8	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C33	2.7	51	33	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C6V8	2.7	51	6.8	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C20	2.7	51	20	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C4V3	2.7	51	4.3	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C12	2.7	51	12	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C3V0	2.7	51	3	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C36	2.7	51	36	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C7V5	2.7	51	7.5	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C22	2.7	51	22	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C4V7	2.7	51	4.7	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C13	2.7	51	13	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C3V3	2.7	51	3.3	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C39	2.7	51	39	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C8V2	2.7	51	8.2	5	300	SOT-23	Pulse current	Yes
















Series	Product Image	Part Number	V _Z Min. (V)	V _Z Max. (V)	V _Z Nom. (V)	I _{Zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _Z Specification	AEC-Q101 Qualified
DZ23-Series		DZ23C24	2.7	51	24	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C5V1	2.7	51	5.1	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C15	2.7	51	15	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C3V6	2.7	51	3.6	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C43	2.7	51	43	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C9V1	2.7	51	9.1	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C27	2.7	51	27	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C5V6	2.7	51	5.6	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C16	2.7	51	16	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C3V9	2.7	51	3.9	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C47	2.7	51	47	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C10	2.7	51	10	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C30	2.7	51	30	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C6V2	2.7	51	6.2	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C18	2.7	51	18	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C2V7	2.7	51	2.7	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C51	2.7	51	51	5	300	SOT-23	Pulse current	Yes
DZ23-Series		DZ23C11	2.7	51	11	5	300	SOT-23	Pulse current	Yes





















Series	Product Image	Part Number	V _z Min. (V)	V _z Max. (V)	V _z Nom. (V)	I _{zt} (mA)	P _{tot} (mW)	Package (JEDEC®) Code	V _z Specification	AEC-Q101 Qualified
MMBZ27VDA		MMBZ27VDA	27	27	27	1	225	SOT-23	Pulse current	Yes
MMBZ27VDA-G		MMBZ27VDA-G	27	27	27	1	225	SOT-23	Pulse current	Yes






















SMALL SIGNAL DIODES - SMALL SIGNAL SWITCHING DIODES

Series	Product Image	Package (JEDEC®) Code	V _{RRM} (V)	I _R at V _R (nA at V)	V _F at I _F (V at mA)	t _{rr} (ns)	Circuit Configuration	AEC-Q101 Qualified
1N4148		DO-35 (DO-204AH)	100	25 at 20	1 at 10	8	Single	No
1N4148W		SOD-123	100	25 at 20	1 at 10	4	Single	Yes
1N4148W-G		SOD-123	100	25 at 20	1 at 10	4	Single	Yes
1N4148WS		SOD-323	100	25 at 20	1 at 10	4	Single	Yes
1N4148WS-G		SOD-323	100	25 at 20	1 at 10	4	Single	Yes
1N4150		DO-35 (DO-204AH)	50	100 at 50	0.620 at 1	4	Single	No
1N4150W		SOD-123	50	100 at 50	0.620 at 1	4	Single	Yes
1N4150W-G		SOD-123	50	100 at 50	0.620 at 1	4	Single	Yes
1N4151		DO-35 (DO-204AH)	75	50 at 50	1 at 50	4	Single	No
1N4151W		SOD-123	75	50 at 50	1.0 at 50	4	Single	Yes
1N4151W-G		SOD-123	75	50 at 50	1.0 at 50	4	Single	Yes
1N4151WS		SOD-323	75	50 at 50	1 at 50	4	Single	Yes
1N4151WS-G		SOD-323	75	50 at 50	1 at 50	4	Single	Yes
1N4154		DO-35 (DO-204AH)	35	100 at 25	1 at 30	4	Single	No
1N4448		DO-35 (DO-204AH)	100	25 at 20	0.720 at 5	8	Single	No
1N4448W		SOD-123	100	25 at 20	1 at 100	4	Single	Yes
1N4448W-G		SOD-123	100	25 at 20	1 at 100	4	Single	Yes
1N4448WS		SOD-323	100	25 at 20	1 at 100	4	Single	Yes
1N4448WS-G		SOD-323	100	25 at 20	1 at 100	4	Single	Yes
1N914		DO-35 (DO-204AH)	100	5 at 75	1 at 10	4	Single	No

Series	Product Image	Package (JEDEC®) Code	V_{RRM} (V)	I_R at V_R (nA at V)	V_F at I_F (V at mA)	t_{rr} (ns)	Circuit Configuration	AEC-Q101 Qualified
BA479G, BA479S		DO-35 (DO-204AH)		50 at 30	1 at 20	n/a	Single	No
BA679, BA679S		MiniMELF (SOD-80)		50 at 30	1 at 20	n/a	Single	No
BA679-M, BA679S-M		MiniMELF (SOD-80)		50 at 30	1 at 20	n/a	Single	No
BAL99		SOT-23	70	2500 at 70	0.715 at 1	6	Single	Yes
BAL99-G		SOT-23	70	2500 at 70	0.715 at 1	6	Single	Yes
BAR64-05W		SOT-323		50 at 50	1.1 at 50	n/a	Common cathode	No
BAS16		SOT-23	75	1000 at 75	0.715 at 1	6	Single	Yes
BAS16-G		SOT-23	75	1000 at 75	0.715 at 1	6	Single	Yes
BAS16D		SOD-123	100	1000 at 75	1.25 at 150	6	Single	Yes
BAS16D-G		SOD-123	100	1000 at 75	1.25 at 150	6	Single	Yes
BAS16L		DFN1006-2A		500 at 80	1.250 at 150	4	Single	Yes
BAS16WS		SOD-323	100	1000 at 75	1.250 at 150	6	Single	Yes
BAS16WS-G		SOD-323	100	1000 at 75	1.250 at 150	6	Single	Yes
BAS19, BAS20, BAS21		SOT-23	200	100 at 150	1.0 at 100	50	Single	Yes
BAS19, BAS20, BAS21		SOT-23	250	100 at 200	1.0 at 100	50	Single	Yes
BAS19, BAS20, BAS21		SOT-23	120	100 at 100	1.0 at 100	50	Single	Yes
BAS19-G, BAS20-G, BAS21-G		SOT-23	250	100 at 200	1.0 at 100	50	Single	Yes
BAS19-G, BAS20-G, BAS21-G		SOT-23	120	100 at 100	1.0 at 100	50	Single	Yes
BAS19-G, BAS20-G, BAS21-G		SOT-23	200	100 at 150	1.0 at 100	50	Single	Yes
BAS33, BAS34		DO-35 (DO-204AH)	40	1 at 15	1 at 100	n/a	Single	No
BAS33, BAS34		DO-35 (DO-204AH)	70	1 at 30	1 at 100	n/a	Single	No

















Series	Product Image	Package (JEDEC®) Code	V_{RRM} (V)	I_R at V_R (nA at V)	V_F at I_F (V at mA)	t_{rr} (ns)	Circuit Configuration	AEC-Q101 Qualified
BAV100, BAV101, BAV102, BAV103		MiniMELF (SOD-80)	250	100 at 200	1 at 100	50	Single	No
BAV100, BAV101, BAV102, BAV103		MiniMELF (SOD-80)	120	100 at 100	1 at 100	50	Single	No
BAV100, BAV101, BAV102, BAV103		MiniMELF (SOD-80)	200	100 at 150	1 at 100	50	Single	No
BAV100, BAV101, BAV102, BAV103		MiniMELF (SOD-80)	60	100 at 50	1 at 100	50	Single	No
BAV17, BAV18, BAV19, BAV20, BAV21		DO-35 (DO-204AH)	120	100 at 100	1 at 100	50	Single	No
BAV17, BAV18, BAV19, BAV20, BAV21		DO-35 (DO-204AH)	25	100 at 20	1 at 100	50	Single	No
BAV17, BAV18, BAV19, BAV20, BAV21		DO-35 (DO-204AH)	200	100 at 150	1 at 100	50	Single	No
BAV17, BAV18, BAV19, BAV20, BAV21		DO-35 (DO-204AH)	60	100 at 50	1 at 100	50	Single	No
BAV17, BAV18, BAV19, BAV20, BAV21		DO-35 (DO-204AH)	250	100 at 200	1 at 100	50	Single	No
BAV19W, BAV20W, BAV21W		SOD-123	250	100 at 200	1 at 100	50	Single	Yes
BAV19W, BAV20W, BAV21W		SOD-123	120	100 at 100	1 at 100	50	Single	Yes
BAV19W, BAV20W, BAV21W		SOD-123	200	100 at 150	1 at 100	50	Single	Yes
BAV19W-G, BAV20W-G, BAV21W-G		SOD-123	250	100 at 200	1 at 100	50	Single	Yes
BAV19W-G, BAV20W-G, BAV21W-G		SOD-123	120	100 at 100	1 at 100	50	Single	Yes
BAV19W-G, BAV20W-G, BAV21W-G		SOD-123	200	100 at 150	1 at 100	50	Single	Yes
BAV19WS, BAV20WS, BAV21WS		SOD-323	200	100 at 150	1 at 100	50	Single	Yes
BAV19WS, BAV20WS, BAV21WS		SOD-323	250	100 at 200	1 at 100	50	Single	Yes
BAV19WS, BAV20WS, BAV21WS		SOD-323	120	100 at 100	1 at 100	50	Single	Yes
BAV19WS-G, BAV20WS-G, BAV21WS-G		SOD-323	200	100 at 150	1 at 100	50	Single	Yes
BAV19WS-G, BAV20WS-G, BAV21WS-G		SOD-323	250	100 at 200	1 at 100	50	Single	Yes
BAV19WS-G, BAV20WS-G, BAV21WS-G		SOD-323	120	100 at 100	1 at 100	50	Single	Yes
BAV200, BAV201, BAV202, BAV203		QuadroMELF (SOD-80)	200	100 at 150	1 at 100	50	Single	No
BAV200, BAV201, BAV202, BAV203		QuadroMELF (SOD-80)	60	100 at 50	1 at 100	50	Single	No

Series	Product Image	Package (JEDEC®) Code	V_{RRM} (V)	I_R at V_R (nA at V)	V_F at I_F (V at mA)	t_{rr} (ns)	Circuit Configuration	AEC-Q101 Qualified
BAV200, BAV201, BAV202, BAV203		QuadroMELF (SOD-80)	250	100 at 200	1 at 100	50	Single	No
BAV200, BAV201, BAV202, BAV203		QuadroMELF (SOD-80)	120	100 at 100	1 at 100	50	Single	No
BAV23C		SOT-23	250	100 at 200	1 at 100	50	Common cathode	Yes
BAV23C-G		SOT-23	250	100 at 200	1 at 100	50	Common cathode	Yes
BAV300, BAV301, BAV302, BAV303		MicroMELF	200	100 at 150	1 at 100	50	Single	No
BAV300, BAV301, BAV302, BAV303		MicroMELF	60	100 at 50	1 at 100	50	Single	No
BAV300, BAV301, BAV302, BAV303		MicroMELF	250	100 at 200	1 at 100	50	Single	No
BAV300, BAV301, BAV302, BAV303		MicroMELF	120	100 at 100	1 at 100	50	Single	No
BAV70		SOT-23	70	2500 at 70	0.715 at 1	6	Common cathode	Yes
BAV70-G		SOT-23	70	2500 at 70	0.715 at 1	6	Common cathode	Yes
BAV99								
BAV99-G		SOT-23	70	2500 at 70	0.715 at 1	6	Dual serial	Yes
BAW27		DO-35 (DO-204AH)	75	100 at 60	0.750 at 10	6	Single	No
BAW56		SOT-23	70	2500 at 70	0.715 at 1	6	Common anode	Yes
BAW56-G		SOT-23	70	2500 at 70	0.715 at 1	6	Common anode	Yes
BAW75		DO-35 (DO-204AH)	35	100 at 25	1 at 30	4	Single	No
BAW76		DO-35 (DO-204AH)	75	100 at 50	1 at 100	4	Single	No
BAY135		DO-35 (DO-204AH)	140	3 at 60	1 at 30	n/a	Single	No
GSD2004A		SOT-23	300	100 at 240	0.87 at 20	50	Common anode	Yes
GSD2004A-G		SOT-23	300	100 at 240	0.87 at 20	50	Common anode	Yes

Series	Product Image	Package (JEDEC®) Code	V_{RRM} (V)	I_R at V_R (nA at V)	V_F at I_F (V at mA)	t_{rr} (ns)	Circuit Configuration	AEC-Q101 Qualified
GSD2004C		SOT-23	300	100 at 240	0.87 at 20	50	Common cathode	Yes
GSD2004C-G		SOT-23	300	100 at 240	0.87 at 20	50	Common cathode	Yes
GSD2004S		SOT-23	300	100 at 240	0.87 at 20	50	Dual serial	Yes
GSD2004S-G		SOT-23	300	100 at 240	0.87 at 20	50	Dual serial	Yes
GSD2004W		SOD-123	300	100 at 240	1 at 100	50	Single	Yes
GSD2004W-G		SOD-123	300	100 at 240	1 at 100	50	Single	Yes
GSD2004WS		SOD-323	300	100 at 240	0.87 at 20	50	Single	Yes
GSD2004WS-G		SOD-323	300	100 at 240	0.87 at 20	50	Single	Yes
IMBD4148		SOT-23	75	2500 at 70	1.0 at 10	4	Single	Yes
IMBD4148-G		SOT-23	75	2500 at 70	1.0 at 10	4	Single	Yes
IMBD4448		SOT-23	75	2500 at 70	0.72 at 5	4	Single	Yes
IMBD4448-G		SOT-23	75	2500 at 70	0.72 at 5	4	Single	Yes
LL4148, LL4448		MiniMELF (SOD-80)	100	25 at 20	1 at 50	8	Single	No
LL4148, LL4448		MiniMELF (SOD-80)	100	25 at 20	0.720 at 5	8	Single	No
LL4148-M		MiniMELF (SOD-80)	100	25 at 20	1 at 50	8	Single	No
LL4150		MiniMELF (SOD-80)	50	100 at 50	0.620 at 1	4	Single	No
LL4150-M		MiniMELF (SOD-80)	50	100 at 50	0.620 at 1	4	Single	No
LL4151		MiniMELF (SOD-80)	75	50 at 50	1 at 50	4	Single	No
LL4151-M		MiniMELF (SOD-80)	75	50 at 50	1 at 50	4	Single	No
LL4154		MiniMELF (SOD-80)	35	100 at 25	1 at 30	4	Single	No
LL4154-M		MiniMELF (SOD-80)	35	100 at 25	1 at 30	4	Single	No

Series	Product Image	Package (JEDEC®) Code	V_{RRM} (V)	I_R at V_R (nA at V)	V_F at I_F (V at mA)	t_{rr} (ns)	Circuit Configuration	AEC-Q101 Qualified
LS4148, LS4448		QuadroMELF (SOD-80)	100	25 at 20	1 at 50	8	Single	No
LS4148, LS4448		QuadroMELF (SOD-80)	100	25 at 20	0.720 at 5	8	Single	No
LS4150		QuadroMELF (SOD-80)	50	100 at 50	0.620 at 1	4	Single	No
LS4151		QuadroMELF (SOD-80)	75	50 at 50	1 at 50	4	Single	No
LS4154		QuadroMELF (SOD-80)	35	100 at 25	1 at 30	4	Single	No
MCL4148, MCL4448		MicroMELF	100	25 at 20	0.720 at 5	8	Single	No
MCL4148, MCL4448		MicroMELF	100	25 at 20	1 at 50	8	Single	No
MCL4151		MicroMELF	75	50 at 50	1 at 50	4	Single	No
MCL4154		MicroMELF	35	100 at 25	1 at 30	4	Single	No
MMBD6050		SOT-23		100 at 50	0.7 at 1	4	Single	Yes
MMBD6050-G		SOT-23	70	100 at 50	0.7 at 1	4	Single	Yes
MMBD7000		SOT-23	100	1000 at 50	0.70 at 1	4	Dual serial	Yes
MMBD7000-G		SOT-23	100	1000 at 50	0.70 at 1	4	Dual serial	Yes
MMBD914		SOT-23	100	25 at 20	1 at 10	4	Single	Yes
MMBD914-G		SOT-23	100	25 at 20	1 at 10	4	Single	Yes

SMALL SIGNAL DIODES - SMALL SIGNAL SCHOTTKY DIODES

Series	Product Image	Product Group	V _R max. / V _{RRM}	I _F max.	V _F max. at I _F (mV at mA)	AEC-Q101 Qualified	Package (JEDEC®) Code	Circuit Configuration
BAS170WS		Small Signal Schottky Diode	70	70	1000 at 15	Yes	SOD-323	Single
BAS170WS-G		Small Signal Schottky Diode	70	70	1000 at 15	Yes	SOD-323	Single
BAS281, BAS282, BAS283		Small Signal Schottky Diodes	40	30	1000 at 15	No	QuadroMELF (SOD-80)	Single
BAS281, BAS282, BAS283		Small Signal Schottky Diodes	50	30	1000 at 15	No	QuadroMELF (SOD-80)	Single
BAS281, BAS282, BAS283		Small Signal Schottky Diodes	60	30	1000 at 15	No	QuadroMELF (SOD-80)	Single
BAS285		Small Signal Schottky Diode	30	200	800 at 100	No	QuadroMELF (SOD-80)	Single
BAS286		Small Signal Schottky Diode	50	200	900 at 100	No	QuadroMELF (SOD-80)	Single
BAS381, BAS382, BAS383		Small Signal Schottky Diodes	40	30	1000 at 15	No	MicroMELF	Single
BAS381, BAS382, BAS383		Small Signal Schottky Diodes	50	30	1000 at 15	No	MicroMELF	Single
BAS381, BAS382, BAS383		Small Signal Schottky Diodes	60	30	1000 at 15	No	MicroMELF	Single
BAS385		Small Signal Schottky Diode	30	200	800 at 100	Yes	MicroMELF	Single
BAS386		Small Signal Schottky Diode	50	200	900 at 100	No	MicroMELF	Single
BAS40-00 to BAS40-06		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Single
BAS40-00 to BAS40-06		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Dual serial
BAS40-00 to BAS40-06		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Common cathode
BAS40-00 to BAS40-06		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Common anode

Series	Product Image	Product Group	V _R max. / V _{RRM}	I _F max.	V _F max. at I _F (mV at mA)	AEC-Q101 Qualified	Package (JEDEC®) Code	Circuit Configuration
BAS40-00-G to BAS40-06-G		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Single
BAS40-00-G to BAS40-06-G		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Dual serial
BAS40-00-G to BAS40-06-G		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Common cathode
BAS40-00-G to BAS40-06-G		Small Signal Schottky Diodes, Single and Dual	40	200	1000 at 40	Yes	SOT-23	Common anode
BAS40-02V		Small Signal Schottky Diode	40	120	1000 at 40	Yes	SOD-523	Single
BAS40L		Small Signal Schottky Diode	40	200	400 at 40	Yes	DFN1006-2A	Single
BAS581-02V		Small Signal Schottky Diode	40	30	370 at 1	Yes	SOD-523	Single
BAS70-00 to BAS70-06		Small Signal Schottky Diodes, Single and Dual	70	200	1000 at 15	Yes	SOT-23	Single
BAS70-00 to BAS70-06		Small Signal Schottky Diodes, Single and Dual	70	200	1000 at 15	Yes	SOT-23	Dual serial
BAS70-00 to BAS70-06		Small Signal Schottky Diodes, Single and Dual	70	200	1000 at 15	Yes	SOT-23	Common cathode
BAS70-00 to BAS70-06		Small Signal Schottky Diodes, Single and Dual	70	200	1000 at 15	Yes	SOT-23	Common anode
BAS70-00-G to BAS70-06-G		Small Signal Schottky Diodes, Single and Dual	70	200	1000 at 15	Yes	SOT-23	Single
BAS70-00-G to BAS70-06-G		Small Signal Schottky Diodes, Single and Dual	70	200	1000 at 15	Yes	SOT-23	Dual serial

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