

Технические характеристики

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




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


PHOTO DETECTORS - SURFACE MOUNT DEVICES












Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μA)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
K857PE		4-Quadrant Silicon PIN Photodiode	surface-mount	Top view	4.72 x 4.72 x 0.75	840	690 to 1050	8.5	85	
K857PH		Silicon PIN Photodiode	surface-mount	Top view	4.72 x 4.72 x 0.75	950	710 to 1100	10	10	
TEMD1000		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Reverse gullwing	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD1020		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Gullwing	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD1030		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Yoke	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD1040		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Axial leads	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD5510FX01		Ambient Light Sensor	surface-mount	Top view	5 x 4.24 x 1.12	540	430 to 610	1	65	7.5
TEMD6010FX01		Ambient Light Sensor	surface-mount	1206	4 x 2 x 1.05	540	430 to 610	1	60	0.27
TEMD6200FITX01		Ambient Light Sensor	surface-mount	0805	2 x 1.25 x 0.85	540	430 to 610	0.04	60	0.27
TEMD6200FX01		Ambient Light Sensor	surface-mount	0805	2 x 1.25 x 0.85	540	430 to 610	0.04	60	0.27
TEMD7000ITX01		Silicon PIN Photodiode	surface-mount	0805	2 x 1.25 x 0.85	900	350 to 1120	3	60	0.23
TEMD7000X01		Silicon PIN Photodiode	surface-mount	0805	2 x 1.25 x 0.85	900	350 to 1120	3	60	0.23

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity φ (\pm °)	Photo Sensitive Area (mm ²)
TEMD7100ITX01		Silicon PIN Photodiode	surface mount	0805	2 x 1.25 x 0.85	950	750 to 1050	3	60	0.23
TEMT1000		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Reverse gullwing	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT1020		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Gullwing	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT1030		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Yoke	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT1040		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Axial leads	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT6200FX01		Ambient Light Sensor in 0805 Package	surface-mount	0805	2 x 1.25 x 0.85	550	450 to 610	23	60	
TEMT7100ITX01		Silicon Phototransistor in 0805 Package	surface mount	0805	2 x 1.25 x 0.85	870	750 to 1010	225 to 675	60	
VBP104FAS		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	35	65	4.4
VBP104FASR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	35	65	4.4
VBP104S		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	35	65	4.4
VBP104SR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	35	65	4.4
VBPW34FAS		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	55	65	7.5
VBPW34FASR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	55	65	7.5

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VBPW34S		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	55	65	7.5
VBPW34SR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	55	65	7.5
VEMD1060X01		Silicon PIN Photodiode	surface mount	0805 top view	2 x 1.25 x 0.85	820	350 to 1070	1.8	70	0.23
VEMD10940F		Silicon PIN Photodiode	surface mount	Side view	3 x 2 x 1	920	780 to 1050	3	75	
VEMD10940FX01		Silicon PIN Photodiode	surface mount	Side view	3 x 2 x 1	950	780 to 1050	3	75	
VEMD1160X01		Silicon PIN Photodiode	surface mount	0805 top view	2 x 1.25 x 0.85	840	700 to 1070	1.8	70	0.23
VEMD11940FX01		Silicon PIN Photodiode	surface mount	Side view	3 x 2 x 0.6	950	780 to 1050	1.13	75	
VEMD4010X01		Silicon PIN Photodiode	surface-mount	0805	2 x 1.25 x 0.7	910	550 to 1040	2.4	24	0.42
VEMD4110X01		Silicon PIN Photodiode	surface-mount	0805	2 x 1.25 x 0.7	910	740 to 1040	2.4	24	0.42
VEMD4200FX01		Ambient Light Sensor	surface-mount	0805	2 x 1.25 x 0.7	540	400 to 660	0.07	55	0.42
VEMD5010X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	940	430 to 1100	48	65	7.5
VEMD5060X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	820	350 to 1070	26	65	7.5
VEMD5080X01		Silicon PIN Photodiode	surface-mount	Top view	5 x 4 x 0.9	950	350 to 1100	45	65	7.5
VEMD5110X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	940	790 to 1050	48	65	7.5

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VEMD5160X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	840	700 to 1070	26	65	7.5
VEMD5510C		Ambient Light Sensor	surface-mount	Top view	5 x 4 x 0.9	550	440 to 700	0.6	65	7.5
VEMD5510CF		Ambient Light Sensor	surface-mount	Top view	5 x 4 x 0.9	540	440 to 620	0.25	65	7.5
VEMD5510FX01		Ambient Light Sensor	surface-mount	Top view	5 x 4 x 0.9	540	420 to 620	0.7	65	7.5
VEMD6010X01		Silicon PIN Photodiode	surface-mount	1206	4 x 2 x 1.05	900	430 to 1100	9.5	60	0.85
VEMD6060X01		Silicon PIN Photodiode	surface mount	1206	4 x 2 x 1.05	820	380 to 1070	5	70	0.85
VEMD6110X01		Silicon PIN Photodiode	surface-mount	1206	4 x 2 x 1.05	950	750 to 1050	9.5	60	0.85
VEMD6160X01		Silicon PIN Photodiode	surface mount	1206	4 x 2 x 1.05	840	700 to 1070	5	70	0.85
VEMD8080		Silicon PIN Photodiode	surface-mount	Top view	4.8 x 2.5 x 0.48	850	350 to 1100	28	65	4.5
VEMD8081		Silicon PIN Photodiode	surface-mount	Top view	4.8 x 2.5 x 0.48	840	350 to 1100	33	65	5.4
VEMD8130		Silicon PIN Photodiode	surface-mount	Top view	7.5 x 5.3 x 4.0	940	800 to 1050	25	45	2.2
				Side view						
VEMT3700F		Silicon NPN Phototransistor	surface-mount	PLCC-2	3.5 x 2.8 x 1.75	940	870 to 1050	500	60	
TEMT6000X01		Ambient Light Sensor	surface mount	1206	4 x 2 x 1.05	570	440 to 800	50	60	
TEMT7000X01		Silicon Phototransistor in 0805 Package	surface-mount	0805	2 x 1.25 x 0.85	850	470 to 1090	225 to 675	60	

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
TEMT7100X01		Silicon Phototransistor in 0805 Package	surface-mount	0805	2 x 1.25 x 0.85	870	750 to 1010	225 to 675	60	
VEMT2000X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	860	790 to 970	6000	15	
VEMT2003X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	860	790 to 970	2700	35	
VEMT2020X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.8	860	790 to 970	6000	15	
VEMT2023SLX01		Silicon NPN Phototransistor	surface mount	Side view	2.3 x 2.55 x 2.3	860	790 to 970	2700	35	
VEMT2023X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.55	860	790 to 970	2700	35	
VEMT2500X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	850	470 to 1090	6000	15	
VEMT2503X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	850	470 to 1090	2700	35	
VEMT2520X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.8	850	470 to 1090	6000	15	
VEMT2523SLX01		Silicon NPN Phototransistor	surface mount	Side view	2.3 x 2.55 x 2.3	850	470 to 1090	2700	35	
VEMT2523X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.55	850	470 to 1090	2700	35	
VEMT3700		Silicon NPN Phototransistor	surface mount	PLCC-2	3.5 x 2.8 x 1.75	850	450 to 1080	500	60	
VEMT4700		Silicon NPN Phototransistor	surface mount	PLCC-3	3.5 x 2.8 x 1.75	850	450 to 1080	500	60	
VEMT4700F		Silicon NPN Phototransistor	surface mount	PLCC-3	3.5 x 2.8 x 1.75	940	870 to 1050	500	60	

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
TEMD5010X01		Silicon PIN Photodiode	surface-mount	Top view	5 x 4.24 x 1.12	940	430 to 1100	55	65	7.5
TEMD5020X01		Silicon PIN Photodiode, RoHS Compliant, Released for Lead (Pb)-free Reflow Soldering, AEC-Q101 Released	surface mount	Top view	5 x 4.24 x 1.12	900	430 to 1100	35	65	4.4
TEMD5080X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4.24 x 1.12	940	350 to 1100	60	65	7.7
TEMD5110X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4.24 x 1.12	940	790 to 1050	55	65	7.5
TEMD5120X01		Silicon PIN Photodiode, RoHS Compliant, Released for Lead (Pb)-free Reflow Soldering, AEC-Q101 Released	surface mount	Top view	5 x 4.24 x 1.12	940	790 to 1050	35	65	4.4
TEMD7100X01		Silicon PIN Photodiode	surface mount	0805	2 x 1.25 x 0.85	950	750 to 1050	3	60	0.23
VEMD2000X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	750 to 1050	12	15	
VEMD2003X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	750 to 1050	10	35	
VEMD2020X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.8	940	750 to 1050	12	15	
VEMD2023SLX01		Silicon PIN Photodiode	surface mount	Side view	2.3 x 2.55 x 2.3	940	750 to 1050	10	35	
VEMD2023X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.55	940	750 to 1050	10	35	
VEMD2500X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	900	350 to 1120	12	15	









































Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth (1) (nm)	Output Current (2) (μA)	Angle of Half Sensitivity φ (\pm °)	Photo Sensitive Area (mm^2)
VEMD2503X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	900	350 to 1120	10	35	
VEMD2520X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.8	900	350 to 1120	12	15	
VEMD2523SLX01		Silicon PIN Photodiode	surface mount	Side view	2.3 x 2.55 x 2.3	900	350 to 1120	10	35	
VEMD2523X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.55	900	350 to 1120	10	35	

PHOTO DETECTORS - LEADED DEVICES

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth (1) (nm)	Output Current (2) (μA)	Angle of Half Sensitivity ϕ (\pm°)	Photo Sensitive Area (mm^2)
BP104		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	950	870 to 1050	45	65	7.5
BP104S		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	950	870 to 1050	45	65	7.5
BPV09NF		Silicon PIN Photodiode	leaded	T-1 $\frac{3}{4}$	\varnothing 5	940	790 to 1050	55	55	
BPV10		Silicon PIN Photodiode	leaded	T-1 $\frac{3}{4}$	\varnothing 5	920	380 to 1100	70	20	
BPV10NF		Silicon PIN Photodiode	leaded	T-1 $\frac{3}{4}$ T-1	\varnothing 5	940	780 to 1050	60	60	
BPW20RF		Silicon Photodiode, RoHS Compliant	leaded	TO-5	\varnothing 8.13	920	550 to 1040	60	50	7.5
BPW21R		Silicon Photodiode, RoHS Compliant	leaded	TO-5	\varnothing 8.13	565	420 to 675	9	50	7.5
BPW34		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	900	430 to 1100	50	65	7.5
BPW34S		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	900	430 to 1100	50	65	7.5
BPW46		Silicon PIN Photodiode	leaded	Side view	5 x 3 x 6.4	900	430 to 1100	50	65	7.5

Part Number	Product Image	Device Type	Package Type	Package Form	Package	Peak Wavelength λ_p (nm)	Spectral Bandwidth (1) (nm)	Output Current (2) (μA)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm^2)
					Dimensions L x W x H (mm)					
BPW76A		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	\varnothing 4.7	850	450 to 1080	400 to 800	40	
BPW76B		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	\varnothing 4.7	850	450 to 1080	600	40	
BPW83		Silicon PIN Photodiode, RoHS Compliant	leaded	Side view	5 x 3 x 6.4	950	790 to 1050	45	65	7.5
BPW85		Silicon NPN Phototransistor	leaded	T-1	\varnothing 3	850	450 to 1080	800 to 8000	25	
BPW85A		Silicon NPN Phototransistor	leaded	T-1	\varnothing 3	850	450 to 1080	800 to 2500	25	
BPW85B		Silicon NPN Phototransistor	leaded	T-1	\varnothing 3	850	450 to 1080	1500 to 4000	25	
BPW85C		Silicon NPN Phototransistor	leaded	T-1	\varnothing 3	850	450 to 1080	3000 to 8000	25	
TEFD4300		Silicon PIN Photodiode	leaded	T-1	\varnothing 3	950	350 to 1120	17	20	
TEFD4300F		Silicon PIN Photodiode	leaded	T-1	\varnothing 3	950	750 to 1050	17	20	
TEFT4300		Silicon NPN Phototransistor	leaded	T-1	\varnothing 3	925	875 to 1000	3200	30	
TEPT4400		Ambient Light Sensor, RoHS Compliant	leaded	T-1	\varnothing 3	570	440 to 800	200	30	
TEPT5600		Ambient Light Sensor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	570	440 to 800	350	20	
TEPT5700		Ambient Light Sensor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	570	440 to 800	75	50	
TEST2600		Silicon NPN Phototransistor, RoHS Compliant	leaded	Side view	3.6 x 2.2 x 3.4	920	850 to 980	2500	30	

Part Number	Product Image	Device Type	Package Type	Package Form	Package	Peak Wavelength λ_p (nm)	Spectral Bandwidth (1) (nm)	Output Current (2) (μA)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm^2)
					Dimensions L x W x H (mm)					
BPV11		Silicon NPN Phototransistor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	450 to 1080	10000	15	
BPV11F		Silicon NPN Phototransistor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	930	900 to 980	9000	15	
BPW16N		Silicon NPN Phototransistor, RoHS Compliant	leaded	T- $\frac{3}{4}$	\varnothing 1.8	825	450 to 1040	140	40	
BPW17N		Silicon NPN Phototransistor, RoHS Compliant	leaded	T- $\frac{3}{4}$	\varnothing 1.8	825	450 to 1040	1000	12	
BPW77NA		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	\varnothing 4.7	850	450 to 1080	7500 to 15000	10	
BPW77NB		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	\varnothing 4.7	850	450 to 1080	NaN	10	
BPW96B		Silicon NPN Phototransistor	leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	450 to 1080	2500 to 7500	20	
BPW96C		Silicon NPN Phototransistor	leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	450 to 1080	4500 to 15000	20	
TEKT5400S		Silicon NPN Phototransistor	leaded	Side view lens	5 x 2.65 x 5	920	850 to 980	4000	37	
BPV22F		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	950	870 to 1050	80	60	7.5
BPV22NF		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	940	790 to 1050	85	60	7.5
BPV22NFL		Silicon PIN Photodiode	leaded	Side view, long leads	4.5 x 5 x 6	940	790 to 1050	85	60	7.5














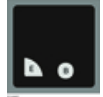





























Part Number	Product Image	Device Type	Package Type	Package Form	Package	Peak Wavelength λ_p (nm)	Spectral Bandwidth (1) (nm)	Output Current (2) (μA)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm^2)
					Dimensions L x W x H (mm)					
BPV23F		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	950	870 to 1050	63	60	4.4
BPV23FL		Silicon PIN Photodiode	leaded	Side view, long leads	4.5 x 5 x 6	950	870 to 1050	63	60	4.4
BPV23NF		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	940	790 to 1050	65	60	4.4
BPV23NFL		Silicon PIN Photodiode	leaded	Side view, long leads	4.5 x 5 x 6	940	790 to 1050	65	60	4.4
BPW24R		Silicon PIN Photodiode, RoHS-Compliant	leaded	TO-18	\varnothing 4.7	940	610 to 1040	60	12	0.88
BPW41N		Silicon PIN Photodiode	leaded	Side view	5 x 4 x 6.8	950	870 to 1050	45	65	7.5
BPW82		Silicon PIN Photodiode, RoHS Compliant	leaded	Side view	5 x 4 x 6.8	950	790 to 1050	45	65	7.5

PHOTO DETECTORS - PHOTOTRANSISTOR

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth (1) (nm)	Output Current (2) (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
BPW76A		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	Ø 4.7	850	450 to 1080	400 to 800	40	
BPW76B		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	Ø 4.7	850	450 to 1080	600	40	
BPW85		Silicon NPN Phototransistor	leaded	T-1	Ø 3	850	450 to 1080	800 to 8000	25	
BPW85A		Silicon NPN Phototransistor	leaded	T-1	Ø 3	850	450 to 1080	800 to 2500	25	
BPW85B		Silicon NPN Phototransistor	leaded	T-1	Ø 3	850	450 to 1080	1500 to 4000	25	
BPW85C		Silicon NPN Phototransistor	leaded	T-1	Ø 3	850	450 to 1080	3000 to 8000	25	
T1070P		Silicon NPN Phototransistor	chip	chip	0.72 x 0.72 x 0.22	570	440 to 800	50	60	0.25
T1090P6		Silicon NPN Phototransistor	chip	chip	0.52 x 0.52 x 0.185	840	620 to 1000	65 to 750	60	
T5096P		Silicon NPN Phototransistor	chip	Chip	0.39 x 0.39 x 0.185	910	480 to 1080		60	
TEFT4300		Silicon NPN Phototransistor	leaded	T-1	Ø 3	925	875 to 1000	3200	30	
TEMT1000		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Reverse gullwing	2.5 x 2 x 2.7	880	730 to 1000	7000	15	

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
TEMT1020		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Gullwing	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT1030		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Yoke	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT1040		Silicon NPN Phototransistor, RoHS-Compliant	surface-mount	Axial leads	2.5 x 2 x 2.7	880	730 to 1000	7000	15	
TEMT7100ITX01		Silicon Phototransistor in 0805 Package	surface mount	0805	2 x 1.25 x 0.85	870	750 to 1010	225 to 675	60	
TEST2600		Silicon NPN Phototransistor, RoHS Compliant	leaded	Side view	3.6 x 2.2 x 3.4	920	850 to 980	2500	30	
VEMT3700F		Silicon NPN Phototransistor	surface-mount	PLCC-2	3.5 x 2.8 x 1.75	940	870 to 1050	500	60	
BPV11		Silicon NPN Phototransistor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	850	450 to 1080	10000	15	
BPV11F		Silicon NPN Phototransistor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	930	900 to 980	9000	15	
BPW16N		Silicon NPN Phototransistor, RoHS Compliant	leaded	T- $\frac{3}{4}$	\varnothing 1.8	825	450 to 1040	140	40	
BPW17N		Silicon NPN Phototransistor, RoHS Compliant	leaded	T- $\frac{3}{4}$	\varnothing 1.8	825	450 to 1040	1000	12	
BPW77NA		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	\varnothing 4.7	850	450 to 1080	7500 to 15000	10	

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
BPW77NB		Silicon NPN Phototransistor, RoHS Compliant	leaded	TO-18	Ø 4.7	850	450 to 1080	NaN	10	
BPW96B		Silicon NPN Phototransistor	leaded	T-1 $\frac{1}{4}$	Ø 5	850	450 to 1080	2500 to 7500	20	
BPW96C		Silicon NPN Phototransistor	leaded	T-1 $\frac{1}{4}$	Ø 5	850	450 to 1080	4500 to 15000	20	
TEKT5400S		Silicon NPN Phototransistor	leaded	Side view lens	5 x 2.65 x 5	920	850 to 980	4000	37	
TEMT7000X01		Silicon Phototransistor in 0805 Package	surface-mount	0805	2 x 1.25 x 0.85	850	470 to 1090	225 to 675	60	
TEMT7100X01		Silicon Phototransistor in 0805 Package	surface-mount	0805	2 x 1.25 x 0.85	870	750 to 1010	225 to 675	60	
VEMT2000X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	860	790 to 970	6000	15	
VEMT2003X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	860	790 to 970	2700	35	
VEMT2020X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.8	860	790 to 970	6000	15	
VEMT2023SLX01		Silicon NPN Phototransistor	surface mount	Side view	2.3 x 2.55 x 2.3	860	790 to 970	2700	35	
VEMT2023X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.55	860	790 to 970	2700	35	
VEMT2500X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	850	470 to 1090	6000	15	
VEMT2503X01		Silicon NPN Phototransistor	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	850	470 to 1090	2700	35	
VEMT2520X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.8	850	470 to 1090	6000	15	





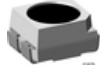

















































Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
VEMT2523SLX01		Silicon NPN Phototransistor	surface mount	Side view	2.3 x 2.55 x 2.3	850	470 to 1090	2700	35	
VEMT2523X01		Silicon NPN Phototransistor	surface mount	Gullwing	2.3 x 2.3 x 2.55	850	470 to 1090	2700	35	
VEMT3700		Silicon NPN Phototransistor	surface mount	PLCC-2	3.5 x 2.8 x 1.75	850	450 to 1080	500	60	
VEMT4700		Silicon NPN Phototransistor	surface mount	PLCC-3	3.5 x 2.8 x 1.75	850	450 to 1080	500	60	
VEMT4700F		Silicon NPN Phototransistor	surface mount	PLCC-3	3.5 x 2.8 x 1.75	940	870 to 1050	500	60	















PHOTO DETECTORS - PIN PHOTODIODE















Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
BP104		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	950	870 to 1050	45	65	7.5
BP104S		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	950	870 to 1050	45	65	7.5
BPV09NF		Silicon PIN Photodiode	leaded	T-1 $\frac{3}{4}$	\varnothing 5	940	790 to 1050	55	55	
BPV10		Silicon PIN Photodiode	leaded	T-1 $\frac{3}{4}$	\varnothing 5	920	380 to 1100	70	20	
BPV10NF		Silicon PIN Photodiode	leaded	T-1 $\frac{3}{4}$ T-1	\varnothing 5	940	780 to 1050	60	60	
BPW34		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	900	430 to 1100	50	65	7.5
BPW34S		Silicon PIN Photodiode	leaded	Top view	5.4 x 4.3 x 3.2	900	430 to 1100	50	65	7.5
BPW46		Silicon PIN Photodiode	leaded	Side view	5 x 3 x 6.4	900	430 to 1100	50	65	7.5
BPW83		Silicon PIN Photodiode, RoHS Compliant	leaded	Side view	5 x 3 x 6.4	950	790 to 1050	45	65	7.5
K857PE		4-Quadrant Silicon PIN Photodiode	surface-mount	Top view	4.72 x 4.72 x 0.75	840	690 to 1050	8.5	85	
K857PH		Silicon PIN Photodiode	surface-mount	Top view	4.72 x 4.72 x 0.75	950	710 to 1100	10	10	

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity φ (\pm °)	Photo Sensitive Area (mm ²)
T1110P6		Silicon PIN Photodiode	chip	Chip	2.97 x 2.97 x 0.28	940	430 to 1100	55	60	7.5
T1112P		Silicon PIN Photodiode	chip	Chip	3.05 x 2.1 x 0.28	970	640 to 1070	44	60	5.5
T1113P		Silicon PIN Photodiode	chip	Chip	2.97 x 2.97 x 0.28	960	660 to 1050	55	60	7.5
T1116P		Silicon PIN Photodiode	chip	Chip	2.97 x 2.97 x 0.28	940	350 to 1100	43	60	7.7
T1120P		Silicon PIN Photodiode	chip	Chip	2.37 x 2.37 x 0.28	940	430 to 1100	35	60	4.4
T1170P		Silicon PIN Photodiode	chip	chip	1.17 x 1.17 x 0.28	920	600 to 1040	7	60	0.88
T1172P		Silicon PIN Photodiode	chip	Chip	1.47 x 1.07 x 0.28	960	640 to 1060	8.7	60	1.06
T1180P		Silicon PIN Photodiode	chip	Chip	0.67 x 0.3 x 0.28	810	590 to 1010	0.59	60	0.055
T1187P		Silicon PIN Photodiode	chip	Chip	0.67 x 0.3 x 0.28	800	580 to 1070	0.66	60	0.053
T1610P6		Silicon PIN Photodiode	chip	Chip	2.97 x 2.97 x 0.28	560	390 to 800	2.9	60	7.7
T1670P6		Silicon PIN Photodiode	chip	Chip	0.72 x 0.72 x 0.28	560	390 to 800	0.138	60	0.27

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
T1677P		Silicon PIN Photodiode	chip	Chip	0.72 x 0.72 x 0.28	570	430 to 700	0.015	60	0.27
T1678P		Silicon PIN Photodiode	chip	Chip	0.72 x 0.72 x 0.2	570	440 to 700	0.015	60	0.34
T330P		Silicon PIN Photodiode	chip	Chip	0.67 x 0.67 x 0.28	900	430 to 1100	2.3	60	0.23
T330P6		Silicon PIN Photodiode	chip	Chip	0.67 x 0.67 x 0.28	900	580 to 1040	1.95	60	
T337P6		Silicon PIN Photodiode	chip	Chip	0.67 x 0.67 x 0.28	970	610 to 1080	2.3	60	0.23
TEFD4300		Silicon PIN Photodiode	leaded	T-1	\varnothing 3	950	350 to 1120	17	20	
TEFD4300F		Silicon PIN Photodiode	leaded	T-1	\varnothing 3	950	750 to 1050	17	20	
TEMD1000		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Reverse gullwing	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD1020		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Gullwing	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD1030		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Yoke	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD1040		Silicon PIN Photodiode, RoHS-Compliant	surface-mount	Axial leads	2.5 x 2 x 2.7	940	790 to 1050	10	15	0.23
TEMD7000ITX01		Silicon PIN Photodiode	surface mount	0805	2 x 1.25 x 0.85	900	350 to 1120	3	60	0.23
TEMD7000X01		Silicon PIN Photodiode	surface mount	0805	2 x 1.25 x 0.85	900	350 to 1120	3	60	0.23
TEMD7100ITX01		Silicon PIN Photodiode	surface mount	0805	2 x 1.25 x 0.85	950	750 to 1050	3	60	0.23

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity φ (\pm °)	Photo Sensitive Area (mm ²)
VBP104FAS		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	35	65	4.4
VBP104FASR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	35	65	4.4
VBP104S		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	35	65	4.4
VBP104SR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	35	65	4.4
VBPW34FAS		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	55	65	7.5
VBPW34FASR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	55	65	7.5
VBPW34S		Silicon PIN Photodiode	surface mount	Gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	55	65	7.5
VBPW34SR		Silicon PIN Photodiode	surface mount	Reverse gullwing	6.4 x 3.9 x 1.2	940	430 to 1100	55	65	7.5
VEMD1060X01		Silicon PIN Photodiode	surface mount	0805 top view	2 x 1.25 x 0.85	820	350 to 1070	1.8	70	0.23
VEMD10940F		Silicon PIN Photodiode	surface mount	Side view	3 x 2 x 1	920	780 to 1050	3	75	
VEMD10940FX01		Silicon PIN Photodiode	surface mount	Side view	3 x 2 x 1	950	780 to 1050	3	75	
VEMD1160X01		Silicon PIN Photodiode	surface mount	0805 top view	2 x 1.25 x 0.85	840	700 to 1070	1.8	70	0.23
VEMD11940FX01		Silicon PIN Photodiode	surface mount	Side view	3 x 2 x 0.6	950	780 to 1050	1.13	75	

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity φ (\pm °)	Photo Sensitive Area (mm ²)
VEMD4010X01		Silicon PIN Photodiode	surface-mount	0805	2 x 1.25 x 0.7	910	550 to 1040	2.4	24	0.42
VEMD4110X01		Silicon PIN Photodiode	surface-mount	0805	2 x 1.25 x 0.7	910	740 to 1040	2.4	24	0.42
VEMD5010X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	940	430 to 1100	48	65	7.5
VEMD5060X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	820	350 to 1070	26	65	7.5
VEMD5080X01		Silicon PIN Photodiode	surface-mount	Top view	5 x 4 x 0.9	950	350 to 1100	45	65	7.5
VEMD5110X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	940	790 to 1050	48	65	7.5
VEMD5160X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4 x 0.9	840	700 to 1070	26	65	7.5
VEMD6010X01		Silicon PIN Photodiode	surface-mount	1206	4 x 2 x 1.05	900	430 to 1100	9.5	60	0.85
VEMD6060X01		Silicon PIN Photodiode	surface mount	1206	4 x 2 x 1.05	820	380 to 1070	5	70	0.85
VEMD6110X01		Silicon PIN Photodiode	surface-mount	1206	4 x 2 x 1.05	950	750 to 1050	9.5	60	0.85
VEMD6160X01		Silicon PIN Photodiode	surface mount	1206	4 x 2 x 1.05	840	700 to 1070	5	70	0.85
VEMD8080		Silicon PIN Photodiode	surface-mount	Top view	4.8 x 2.5 x 0.48	850	350 to 1100	28	65	4.5
VEMD8081		Silicon PIN Photodiode	surface-mount	Top view	4.8 x 2.5 x 0.48	840	350 to 1100	33	65	5.4
VEMD8130		Silicon PIN Photodiode	surface-mount	Top view	7.5 x 5.3 x 4.0	940	800 to 1050	25	45	2.2
				Side view						

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
BPV22F		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	950	870 to 1050	80	60	7.5
BPV22NF		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	940	790 to 1050	85	60	7.5
BPV22NFL		Silicon PIN Photodiode	leaded	Side view, long leads	4.5 x 5 x 6	940	790 to 1050	85	60	7.5
BPV23F		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	950	870 to 1050	63	60	4.4
BPV23FL		Silicon PIN Photodiode	leaded	Side view, long leads	4.5 x 5 x 6	950	870 to 1050	63	60	4.4
BPV23NF		Silicon PIN Photodiode	leaded	Side view	4.5 x 5 x 6	940	790 to 1050	65	60	4.4
BPV23NFL		Silicon PIN Photodiode	leaded	Side view, long leads	4.5 x 5 x 6	940	790 to 1050	65	60	4.4
BPW24R		Silicon PIN Photodiode, RoHS-Compliant	leaded	TO-18	\varnothing 4.7	940	610 to 1040	60	12	0.88
BPW41N		Silicon PIN Photodiode	leaded	Side view	5 x 4 x 6.8	950	870 to 1050	45	65	7.5
BPW82		Silicon PIN Photodiode, RoHS Compliant	leaded	Side view	5 x 4 x 6.8	950	790 to 1050	45	65	7.5
TEMD5010X01		Silicon PIN Photodiode	surface-mount	Top view	5 x 4.24 x 1.12	940	430 to 1100	55	65	7.5
TEMD5020X01		Silicon PIN Photodiode, RoHS Compliant, Released for Lead (Pb)-free Reflow Soldering, AEC-Q101 Released	surface mount	Top view	5 x 4.24 x 1.12	900	430 to 1100	35	65	4.4
TEMD5080X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4.24 x 1.12	940	350 to 1100	60	65	7.7
TEMD5110X01		Silicon PIN Photodiode	surface mount	Top view	5 x 4.24 x 1.12	940	790 to 1050	55	65	7.5













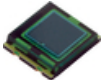


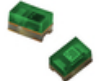









Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ⁽¹⁾ (nm)	Output Current ⁽²⁾ (μ A)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm ²)
TEMD5120X01		Silicon PIN Photodiode, RoHS Compliant, Released for Lead (Pb)-free Reflow Soldering, AEC-Q101 Released	surface mount	Top view	5 x 4.24 x 1.12	940	790 to 1050	35	65	4.4
TEMD7100X01		Silicon PIN Photodiode	surface mount	0805	2 x 1.25 x 0.85	950	750 to 1050	3	60	0.23
VEMD2000X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	750 to 1050	12	15	
VEMD2003X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	750 to 1050	10	35	
VEMD2020X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.8	940	750 to 1050	12	15	
VEMD2023SLX01		Silicon PIN Photodiode	surface mount	Side view	2.3 x 2.55 x 2.3	940	750 to 1050	10	35	
VEMD2023X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.55	940	750 to 1050	10	35	
VEMD2500X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	900	350 to 1120	12	15	
VEMD2503X01		Silicon PIN Photodiode	surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	900	350 to 1120	10	35	
VEMD2520X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.8	900	350 to 1120	12	15	
VEMD2523SLX01		Silicon PIN Photodiode	surface mount	Side view	2.3 x 2.55 x 2.3	900	350 to 1120	10	35	
VEMD2523X01		Silicon PIN Photodiode	surface mount	Gullwing	2.3 x 2.3 x 2.55	900	350 to 1120	10	35	

PHOTO DETECTORS - AMBIENT LIGHT SENSOR

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ¹ (nm)	Output Current (2) (μA)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm^2)
TEMD5510FX01		Ambient Light Sensor	surface-mount	Top view	5 x 4.24 x 1.12	540	430 to 610	1	65	7.5
TEMD6010FX01		Ambient Light Sensor	surface mount	1206	4 x 2 x 1.05	540	430 to 610	1	60	0.27
TEMD6200FITX01		Ambient Light Sensor	surface-mount	0805	2 x 1.25 x 0.85	540	430 to 610	0.04	60	0.27
TEMD6200FX01		Ambient Light Sensor	surface mount	0805	2 x 1.25 x 0.85	540	430 to 610	0.04	60	0.27
TEMT6200FX01		Ambient Light Sensor in 0805 Package	surface-mount	0805	2 x 1.25 x 0.85	550	450 to 610	23	60	
TEPT4400		Ambient Light Sensor, RoHS Compliant	leaded	T-1	\varnothing 3	570	440 to 800	200	30	
TEPT5600		Ambient Light Sensor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	570	440 to 800	350	20	
TEPT5700		Ambient Light Sensor, RoHS Compliant	leaded	T-1 $\frac{3}{4}$	\varnothing 5	570	440 to 800	75	50	
VEMD4200FX01		Ambient Light Sensor	surface-mount	0805	2 x 1.25 x 0.7	540	400 to 660	0.07	55	0.42
VEMD5510C		Ambient Light Sensor	surface-mount	Top view	5 x 4 x 0.9	550	440 to 700	0.6	65	7.5
VEMD5510CF		Ambient Light Sensor	surface-mount	Top view	5 x 4 x 0.9	540	440 to 620	0.25	65	7.5

Part Number	Product Image	Device Type	Package Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth ¹ (nm)	Output Current (2) (μA)	Angle of Half Sensitivity ϕ (\pm °)	Photo Sensitive Area (mm^2)
VEMD5510FX01		Ambient Light Sensor	surface-mount	Top view	5 x 4 x 0.9	540	420 to 620	0.7	65	7.5
TEMT6000X01		Ambient Light Sensor	surface mount	1206	4 x 2 x 1.05	570	440 to 800	50	60	

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