

Технические характеристики












По вопросам продаж и поддержки обращайтесь:












Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	











THERMISTORS - NTC THERMISTORS





Vishay Intertechnology's NTC (negative temperature coefficient) thermistors portfolio includes refrigerator sensors, flex foil sensors, miniature immersion sensors, steel-capped sensors, long immersion sensors with connectors, standard lug sensors, thermal-gradient lug sensors, mini-lug sensors, screw-threaded sensors, ice cube sensors, mini-chip sensors with flexible leads, a variety of radial leaded thermistors (including Automotive Grade), surface mount glass-protected thermistors, MELF glass-encapsulated thermistors, surface-mount chip thermistors, thermistors for high-temperature applications, and naked thermistor chips.

Series	Product Image	Description	Mounting	Resistance		R ₂₅ Tolerance (min.) (± %)	B _{25/85} (min.) (K)	B _{25/85} (max.) (K)	B _{25/85} Tolerance (min.) (± %)	Operating Temperature (min.) (°C)	Operating Temperature (max.) (°C)
				at 25 °C (min.) (Ω)	Resistance at 25 °C (max.) (Ω)						
NTCACAP Series for Refrigerator		NTC Thermistors, Refrigerator Sensors	Mounting: assembly	2.7K	10K	1.0	3984	3984	0.5	-55	60
NTCAFLEX05 Series		NTC Thermistors, Flex Foil Sensors		10K	122K	1.0	3435	3960	1	-40	125
NTCAIMME3		NTC Thermistors, Miniature Immersion Sensor		10K	10K	3.0	3984	3984	0.5	-25	105
NTCAIMME3C90042		NTC Thermistors, Steel Capped Sensors		12K	12K	4.0	3730	3730	1.5	-25	110
NTCALUG01A Series		NTC Thermistors, Standard Lug Sensors		4.7K	100K	1.0	3435	4190	0.5	-40	150
NTCALUG01T		NTC Thermistors, Standard Lug Sensors, 150 °C		10K	10K	1.0	3435	3984	0.5	-40	150
NTCALUG02A Series		NTC Thermistors, Low Thermal Gradient Lug Sensors	Mounting: assembly screw mounting	4.7K	100K	1.0	3435	4190	0.5	-55	125
NTCALUG03A / LUG39A Mini Lug Series		NTC Thermistors, Mini Lug Sensors		10K	47K	2.0	3740	3984	0.5	-40	125
NTCALUG54A M5		NTC Thermistors, Standard Lug Sensors		10K	10K	2.0	3435	3984	0.5	-40	150

Series	Product Image	Description	Mounting	Resistance at 25 °C (min.) (Ω)	Resistance at 25 °C (max.) (Ω)	R ₂₅ Tolerance (min.) (± %)	B _{25/85} (min.) (K)	B _{25/85} (max.) (K)	B _{25/85} Tolerance (min.) (± %)	Operating Temperature (min.) (°C)	Operating Temperature (max.) (°C)
NTCALUG85A M6 Series		NTC Thermistors, Standard Lug Sensors		10K	10K	2.0	3435	3984	0.5	-40	150
NTCALUG91A M4 Series		NTC Thermistors, Standard Lug Sensors		10K	10K	2.0	3435	3984	0.5	-40	150
NTCAPIPE3C9		NTC Thermistors, Special Long Lead Sensors		10K	10K	3.0	3984	3984	0.5		105
NTCASCWE3		NTC Thermistors, Screw Threaded Sensors		1K	470K	1.0	3528	4570	0.5	-25	100
NTCASCWE3C70001		NTC Thermistors, Screw Threaded Insulated Leads Sensors	Mounting: assembly threaded screw mounting	10K	10K	2.0	3984	3984	0.5	-40	125
NTCASRFE3C90406 Ice Cube Sensor		NTC Thermistors, Ice Cube Sensors		9.965K	9.965K	1.92	3984	3984	0.5		50
NTCC100E4		Leadless NTC Thermistor Dies		2.2K	470K	1.0	3740	4570	0.75	-40	125
NTCC200E4, NTCC300E4		Leadless NTC Thermistor Die Suitable For Wire Bonding		4.7K	20K	1.0	3435	3865	1	-55	175
NTCC200E4C90008		Leadless NTC Thermistor Die Intended for Wire Bonding		5063	5063	0.0	3435	3435	1	-55	175
NTCC201E4		Enhanced Leadless NTC Thermistor Die Suitable For Wire Bonding		4.7K	20K	1.0	3435	3865	1	-55	175
NTCLE100E3		NTC Thermistors, Radial Leaded, Standard Precision	Mounting: radial	3.3	470K	2.0	2880	4570	0.5	-40	125









Series	Product Image	Description	Mounting	Resistance	Resistance at	R ₂₅	B _{25/85}	B _{25/85}	B _{25/85}	Operating	Operating
				at	25 °C (max.)	Tolerance	(min.)	(max.)	Tolerance	Temperature	Temperature
				25 °C (min.)	(Ω)	(± %)	(K)	(K)	(± %)	(°C)	(°C)
NTCLE101E3...SB0		NTC Thermistors, Radial Leaded Special Accuracy		4.7K	100K	2.19	3977	4190	0.75	-40	125
NTCLE101E3C90172, NTCLE101E3C90173		NTC Thermistors, Radial Leaded with Low B25/85 Values		5K	10K	1.0	3324	3435	1	-55	125
NTCLE201E3...SB, NTCLE300E3...SB		NTC Thermistors, 2-Point Mini Chip Sensor, Flexible Leads		3K	10K	2.18	3977	3977	0.75	-40	125
NTCLE201E3C90028		NTC Thermistors, Long Non-Insulated Leads		10K	10K	5.0	3977	3977	0.75	-40	125
NTCLE203E3		NTC Thermistors, Radial Leaded, Accuracy Line	Mounting: radial	2K	470K	1.0	3528	4570	0.5	-40	125
NTCLE203E3...SB0		NTC Thermistors, 2-Point Radial Leaded, Automotive Grade	Mounting: radial	2.06K	30K	1.93	3528	4090	0.5	-55	150
NTCLE213E3		NTC Thermistor, Epoxy Coated Mini Sensor	Mounting: radial	2.1K	100K	1.0	3511	4190	0.5	-55	150
NTCLE301E4C90059		NTC Thermistors, Long Insulated Leads	Mounting: radial insulated leads	2765	2765	2.93	3977	3977	0.75	-40	125
NTCLE305E4...SB		NTC Thermistors, 2-Point Micro Chip Sensor Insulated Leads		2.06K	10K	1.92	3511	3984	0.5	-40	125
NTCLE317E4103SBA		NTC Thermistors, Long Insulated Leads 150 °C With Very Low Thermal Gradient	Mounting: radial insulated leads, low heat-co	10K	10K	2.19	3984	3984	0.5	-55	150
NTCLE350E4		NTC Thermistors, Insulated Leads for 185	Mounting: radial	2.1K	30K	1.0	3435	3984	0.5	-55	185






Series	Product Image	Description	Mounting	Resistance at 25 °C (min.) (Ω)	Resistance at 25 °C (max.) (Ω)	R ₂₅ Tolerance (min.) (± %)	B _{25/85} (min.) (K)	B _{25/85} (max.) (K)	B _{25/85} Tolerance (min.) (± %)	Operating Temperature (min.) (°C)	Operating Temperature (max.) (°C)
		°C Applications									
NTCLE400		NTC Thermistors, Epoxy PVC Long Leads Sensors		2.2K	100K	3.0	3977	4190	0.75	-40	85
NTCLE413		NTC Thermistors, Mini Epoxy PVC Twin Insulated Leads		4.7K	100K	1.0	3435	4190	0.5	-40	105
NTCLE428		NTC Thermistors, Mini Epoxy PVC Single Insulated Leads		4.7K	100K	1.0	3435	4190	0.5	-40	105
NTCLG100E2		NTC Thermistors, Glass Encapsulated High Temperature Sensors	Mounting: axial	10K	220K	5.0	3797	3977	1.3	-40	200
NTCLP100		NTC Thermistors, Pipe PVC Long Leads Sensors		2.2K	100K	3.0	3977	4190	0.75	-40	85
NTCLP450E3		NTC Thermistor Sensors - Pipe Type with Fast Time Response		100K	100K	3.0	4190	4190	1.5	-40	105
NTCLS100		NTC Thermistors, Sleeved Long PVC Leads Sensors		2.2K	100K	3.0	3977	4190	0.75	-40	85
NTCS...E3...SMT		SMD NTC Thermistors With Enhanced Stability		100K	210K	1.0	3590	3590	1	-40	125
NTCS0402E3.....T		SMD 0402, Glass Protected NTC Thermistors		4.7K	470K	1.0	3490	4075	3	-40	150
NTCS0603E3.....T		SMD 0603, Glass Protected NTC Thermistors		1K	100K	1.0	3170	4100	1	-40	150

Series	Product Image	Description	Mounting	Resistance at 25 °C (min.) (Ω)	Resistance at 25 °C (max.) (Ω)	R ₂₅ Tolerance (min.) (± %)	B _{25/85} (min.) (K)	B _{25/85} (max.) (K)	B _{25/85} Tolerance (min.) (± %)	Operating Temperature (min.) (°C)	Operating Temperature (max.) (°C)
NTCS0805E3.....T		SMD 0805, Glass Protected NTC Thermistors		1K	680K	1.0	3370	4125	1	-40	150
NTCSMELFE3		SMD MELF SOD80, Glass Encapsulated NTC Thermistors		10K	100K	5.0	3977	3977	1.3	-40	150
NTHS Series		NTC Thermistors, SMD 0402, 0603, 0805, 1206 Chip		4.7K	350K	1.0	3486	4073	3	-40	150
T, M, C		NTC Thermistors, Radial Leaded and Coated		30	220K	1.0	3468	3974	n/a	-40	150

THERMISTORS - PTC THERMISTORS


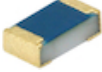



Vishay Intertechnology's PTC (positive temperature coefficient) thermistors portfolio includes parts for over-temperature protection, overload protection, heating applications, and time delay for lighting; motor start packages; motor start pellets; and nickel film linear thermistors.

Series	Product Image	Description	Resistance at 25 °C (min.) (Ω)	Resistance at 25 °C (max.) (Ω)	T _n / T _{sw} (min.) (°C)	T _n / T _{sw} (max.) (°C)	I _{oi} (max.) (A)	V _{max.} (V)	Operating Temperature (min.) (°C)	Operating Temperature (max.) (°C)
PTC305C Series		PTC Thermistors Motor Start Packages	15	75	110	120	36	500	-10	80
PTC307C Series		PTC Thermistors Motor Start Pellets	3.3	75	n/a	n/a	n/a	450	-10	85
PTCCL - 145 V Series		145 V PTC Thermistors for Overload Protection	1.3	240	135	140	13	145	0	70
PTCCL - 265 V Series		265 V PTC Thermistors for Overload Protection	2.1	3000	135	145	5.5	265	0	70
PTCCL - 30 V / 60 V Series		30 V to 60 V PTC Thermistors for Overload Protection	0.3	50	135	145	23	60	-40	85
PTCCL - 600 V / 1000 V Series		600 V to 1000 V PTC Thermistors for Overload Protection	400	1600	90	115	2	n/a	-20	85
PTCEL		PTC Thermistors, Inrush Current Limiter and Energy Load-Dump	60	1000	130	140	n/a	n/a	-40	105
PTCHP12S - 265 V Series		PTC Thermistors for Heating Application	1200	1200	50	150	n/a	265	-40	85

Series	Product Image	Description	Resistance at 25 °C (min.) (Ω)	Resistance at 25 °C (max.) (Ω)	T _n / T _{sw} (min.) (°C)	T _n / T _{sw} (max.) (°C)	I _{ol} (max.) (A)	V _{max.} (V)	Operating Temperature (min.) (°C)	Operating Temperature (max.) (°C)
PTCLL		PTC Thermistors, Time Delay for Lighting	100	625	n/a	n/a	1	n/a	-20	105
PTCSL03		PTC Thermistors, Mini Radial Leaded for Over-Temperature Protection							-40	165
PTCTL		PTC Thermistors, Overload Protection for Telecommunication	8	50	n/a	n/a	10	600	0	95
PTCTT Series		TWIN Vertical SMD PTC Thermistors for Telecom Overload Protection	10	50	105	130	8	240	-40	85
PTCTZ		SMD PTC Thermistors For Overload Protection	2	500	105	140	10	400	-40	85

THERMISTORS - THIN FILM RTD

Vishay Intertechnology's thin film RTD portfolio includes radial-leaded, nickel thin film PTC linear thermistors; surface-mount, platinum film flat tip temperature sensors; surface-mount, nickel film linear thermistors; wraparound, thin film nickel temperature sensors; and single-in-line, thin film nickel temperature sensors.

Series	Product Image	Description	Resistance at $T_{ref.}$ (min.) (Ω)	Resistance at $T_{ref.}$ (max.) (Ω)	$T_{ref.}$ ($^{\circ}C$)	Tolerance at $T_{ref.}$ (min.) ($^{\circ}C$)	Tolerance at $T_{ref.}$ (min.) (%)	Typical TCR (ppm/ $^{\circ}C$)	Operating Temperature (min.) ($^{\circ}C$)	Operating Temperature (max.) ($^{\circ}C$)
PTS AT		Temperature Dependent Platinum Thin Film Chip Resistor (RTD)	100	1000	0	0.3		3850	-55	175
PTS ATAU		Temperature Dependent Platinum Thin Film Chip Resistor (RTD)	100	1000	0	0.3		3850	-55	175
PTS Series		Temperature Dependent Platinum Thin Film Chip Resistor (RTD)	100	1000	0	0.3		3850	-55	155
TFPT		SMD PTC - Nickel Thin Film Linear Thermistors	5	10K	25		0.5	4110	-55	150
TFPTL		Radial Leaded PTC - Nickel Thin Film Linear Thermistors	100	5K	25		1	4110	-55	150

THERMISTORS - AUTOMOTIVE TEMPERATURE SENSING

Series	Technology	Description	Type
NTCAFLEX05 Series		NTC Thermistors, Flex Foil Sensors	Thermistors
NTCALUG01A Series		NTC Thermistors, Standard Lug Sensors	Thermistors
NTCALUG01T		NTC Thermistors, Standard Lug Sensors, 150 °C	Thermistors
NTCALUG02A Series		NTC Thermistors, Low Thermal Gradient Lug Sensors	Thermistors
NTCALUG03A / LUG39A Mini Lug Series		NTC Thermistors, Mini Lug Sensors	Thermistors
NTCALUG54A M5		NTC Thermistors, Standard Lug Sensors	Thermistors
NTCALUG85A M6 Series		NTC Thermistors, Standard Lug Sensors	Thermistors
NTCALUG91A M4 Series		NTC Thermistors, Standard Lug Sensors	Thermistors
NTCC200E4, NTCC300E4		Leadless NTC Thermistor Die Suitable For Wire Bonding	Thermistors
NTCC201E4		Enhanced Leadless NTC Thermistor Die Suitable For Wire Bonding	Thermistors
NTCLE201E3...SB, NTCLE300E3...SB		NTC Thermistors, 2-Point Mini Chip Sensor, Flexible Leads	Thermistors
NTCLE203E3...SB0		NTC Thermistors, 2-Point Radial Leaded, Automotive Grade	Thermistors
NTCLE213E3		NTC Thermistor, Epoxy Coated Mini Sensor	Thermistors
NTCLE301E4C90059		NTC Thermistors, Long Insulated Leads	Thermistors
NTCLE305E4...SB		NTC Thermistors, 2-Point Micro Chip Sensor Insulated Leads	Thermistors
NTCLE317E4103SBA		NTC Thermistors, Long Insulated Leads 150 °C With Very Low Thermal Gradient	Thermistors
NTCLE350E4		NTC Thermistors, Insulated Leads for 185 °C Applications	Thermistors
NTCS0402E3.....T		SMD 0402, Glass Protected NTC Thermistors	Thermistors
NTCS0603E3.....T		SMD 0603, Glass Protected NTC Thermistors	Thermistors
NTCS0805E3.....T		SMD 0805, Glass Protected NTC Thermistors	Thermistors
PTCEL	PTC Thermistors	PTC Thermistors, Inrush Current Limiter and Energy Load-Dump	Thermistors
PTCSL03	PTC Sensing Thermistors	PTC Thermistors, Mini Radial Leaded for Over-Temperature Protection	Thermistors
PTS AT		Temperature Dependent Platinum Thin Film Chip Resistor (RTD)	Thin Film RTD
TFPT		SMD PTC - Nickel Thin Film Linear Thermistors	Thin Film RTD

THERMISTORS - OVERLOAD CURRENT PROTECTION

Series	Technology	Description	Type
PTCCL - 145 V Series	PTC Thermistors	145 V PTC Thermistors for Overload Protection	Thermistors
PTCCL - 265 V Series	PTC Thermistors	265 V PTC Thermistors for Overload Protection	Thermistors
PTCCL - 30 V / 60 V Series	PTC Thermistors	30 V to 60 V PTC Thermistors for Overload Protection	Thermistors
PTCCL - 600 V / 1000 V Series	PTC Thermistors	600 V to 1000 V PTC Thermistors for Overload Protection	Thermistors
PTCTL	PTC Thermistors	PTC Thermistors, Overload Protection for Telecommunication	Thermistors
PTCTT Series	PTC Thermistors	TWIN Vertical SMD PTC Thermistors for Telecom Overload Protection	Thermistors
PTCTZ	PTC Thermistors	SMD PTC Thermistors For Overload Protection	Thermistors

THERMISTORS - MOTOR START

Series	Technology	Description	Type
PTC305C Series	PTC Thermistors	PTC Thermistors Motor Start Packages	Thermistors
PTC307C Series	PTC Thermistors	PTC Thermistors Motor Start Pellets	Thermistors

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
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
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93