



# **NTC Thermistors**

## Selection Guide





Date: January 2018

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## Selection Guide



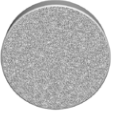


### NTC thermistors for temperature measurement

Type	$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
<b>Surface-mount NTC thermistors with nickel barrier termination, standard series</b>						
<b>SMD</b>						
 B572**V2 (Size 0402)	-55/125	3.3 k ... 100 k	25	±1%, ±3%, ±5%	3455 ... 4575	
 B573**V2 (Size 0603)	-55/125	1.0 k ... 470 k	25	±1%, ±3%, ±5%	3455 ... 4480	
 B574**V2/ B57620C5 (Size 0805)	-55/125	1.0 k ... 680 k	25	±3%, ±5%	3650 ... 4480	
 B57621C5 (Size 1206)	-55/125	1k ... 10 k	25	±5%, ±10%	3450 ... 3530	

### Surface-mount NTC thermistors with nickel barrier termination, automotive series





<b>SMD</b>						
 B572**V5 (Size 0402)	-40/150	4.7 k ... 100 k	25	±1%, ±3%, ±5%	3455 ... 4334	
 B573**V5 (Size 0603)	-40/150	2.2 k ... 100 k	25	±1%, ±3%, ±5%	3455 ... 4480	
 B574**V5 (Size 0805)	-40/150	2.2 k ... 100 k	25	±3%, ±5%	3650 ... 4480	

## Selection Guide




Type	$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
<b>Leadless NTC thermistors</b>						
 B57220K (K220)	-55/250	2.5 k	20	±5%	3560	
 B57350K (K350)	-55/155	70	100	±5%	3930	
 B57820M (M820)	-55/155	39.6 ... 92	100	±5%	3550 ... 3930	
 B57150K (K1150)	-55/155	144	100	±5%	4170	
 B57860S (S860)	-40/150	868.37 ... 5387.6	100	±5%	3625 ... 4092	

## Selection Guide

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Type	$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
Leaded NTC thermistors with lead spacing 2.5 mm						
 B57871S (S871)	-55/155	2.1 k ... 30 k	25	±1%, ±3%, ±5%	3460 ... 3988	
 B57881S (S881)	-55/155	2.1 k ... 30 k	25	±1%, ±3%, ±5%	3460 ... 3980	
 B57891M (M891)	-40/125	1 k ... 470 k	25	±5%, ±10%	3560 ... 5000	
 B57891S (S891)	-55/155	2.2 k ... 100 k	25	±1%, ±3%, ±5%	3560 ... 4450	

## Selection Guide

Type		$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
Leaded NTC thermistors with lead spacing 5 mm							
	B57875S (S875)	-55/155	2.1 k ... 30 k	25	±1%, ±3%, ±5%	3460 ... 3988	
	B57885S (S885)	-55/155	2.1 k ... 30 k	25	±1%, ±3%, ±5%	3460 ... 3980	
	B57164K (K164)	-55/125	22 ... 470 k	25	±5%, ±10%	2900 ... 5000	




## Selection Guide

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Type		$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
Miniature sensors with bendable wires							
	B57861S (S861)	-55/155	2 k ... 100 k	25	±1%, ±3%, ±5%	3560 ... 4540	
	B57863S (S863)	-55/155	3 k ... 30 k	25	±0.2 K, ±0.5 K (temperature tolerance)	3964, 3988	
	B57864S (S864)	-55/155	2 k ... 5 k	25	±1%, ±3%	3560, 3988	
	B57867S (S867)	-55/155	2 k ... 50 k	25	±1%, ±3%, ±5%	3560 ... 3988	
	B57869S (S869)	-55/155	3 k ... 30 k	25	±0.2 K, ±0.5 K (temperature tolerance)	3964, 3988	







## Selection Guide

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Type	$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
<b>Glass-encapsulated sensors, standard types</b>						
	B57540G1 (G1540)	-55/250	5 k ... 100 k	25	±2%, ±3%	3492 ... 4092
	B57550G1 (G1550)	-55/300	2 k ... 230 k	25	±2%, ±3%	3420 ... 4264
	B57560G1 (G1560)	-55/300	2 k ... 230 k	25	±2%, ±3%	3420 ... 4280
<b>Glass-encapsulated sensors with insulation</b>						
	B57541G1 (G1541)	-55/250	5 k ... 100 k	25	±2%, ±3%	3492 ... 4092
	B57551G1 (G1551)	-55/260	2 k ... 230 k	25	±2%, ±3%	3420 ... 4264
	B57561G1 (G1561)	-55/260	2 k ... 230 k	25	±2%, ±3%	3420 ... 4280
<b>Glass-encapsulated sensors for high temperatures</b>						
	B57650H (H650)	-40/600	5 k	200	±2%	$B_{25/200}$ 4113

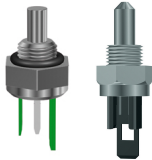

## Selection Guide

### NTC thermistors for temperature measurement





Type	$T_A$ °C	$R_R$ Ω	$T_R$ °C	$\Delta R_R/R_R$	$B_{25/100}$ K	Page
Probe assemblies						
	B57020M2 (M2020)	-40/80	16330	0	±2%	3980
	B57276K (K276)	-10/100	1082, 1204, 3243	60, 63	±2%	3760, 3980
	B57500M (M500)	-30/100	10 k	25	±3%	3988
	B57500K (K500)	-30/100	10 k	25	±3%	3988
	B57501K (K501)	-30/100	6.8 k	25	±3%	3988
	B58100 (F120)	-5/100	2500	60	±3.6%	4005
	B58100 (T120)	-5/100	2500, 3000	60	±3.6%	3497, 4005



## Selection Guide

Type		T <sub>A</sub> °C	R <sub>R</sub> Ω	T <sub>R</sub> °C	ΔR <sub>R</sub> /R <sub>R</sub>	B <sub>25/100</sub> K	Page
	B58100 (Z81)	-5/100	1465	85	±2%	3760	
	B57301K (K301-A001)	-30/110	3000	60	±2%	3460	
	B57301K (K301-A003)	-30/110	10000	25	±3%	3988	
	B57504K (K504)	-20/125	2055	70	±2%	3625	
	B57514K (K514)	-20/200	3300	100	±2.5%	3988	
	B57560K (K560)	-10/125	3300	100	±2.5%	4006	

## Selection Guide

Type		T <sub>A</sub> °C	R <sub>R</sub> Ω	T <sub>R</sub> °C	ΔR <sub>R</sub> /R <sub>R</sub>	B <sub>25/100</sub> K	Page
	B57703M (M703)	-55/125	5 k, 10 k, 30 k	25	±2%	3964, 3988	
	B57703M1 (M1703)	10/200	100 k	25	±3%	4085	
	B57045K (K45)	-55/125	1 k ... 150 k	25	±10%	3730 ... 4600	
	B57227K (K227)	-55/155	1.8 k	100	±10%	4300	