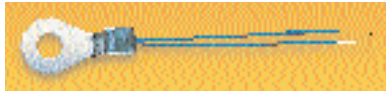


## Thermistors — continued

### NTC



L = 19, W (O/D) = 8.5, H = 6.5, Hole dia. = 3.7, Lead L = 32

NTC thermistor for high accuracy surface temperature measurement, for example, on housings and pipes. Good thermal coupling through metal tag. PTFE insulated leads.

Resistance @ 25°C	10KΩ ±2%	Max. power @ 25°C	150mW
Beta value 25°C - 100°C	3920 ±1.5%		

RP289

Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
B57703M103G	<b>730-051</b>					

### NTC



Dia. = 5.5 max, Lead L = 36, Lead spacing = 5.0

A range of disc NTC thermistors for temperature compensation, measurement and control.

Max. power @ 25°C 450mW

Resistance @ 25°C ±5%	Beta Value 25°C to 100°C, ±3%	Mfrs. List No.	Order Code
100Ω	3200	B576164K101J	679-320
1KΩ	3730	B576164K102J	679-331
4.7KΩ	3950	B576164K472J	679-343
10KΩ	4300	B576164K103J	679-355
100KΩ	4600	B576164K104J	679-367
470KΩ	5000	B576164K474J	679-379

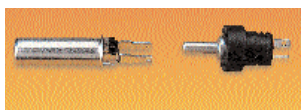
RP290

Resistance @ 25°C	Order Code	1+	50+	100+	250+	500+
100Ω	<b>679-320</b>					
1KΩ	<b>679-331</b>					
4.7KΩ	<b>679-343</b>					
10KΩ	<b>679-355</b>					
100KΩ	<b>679-367</b>					
470KΩ	<b>679-379</b>					

### NTC Probe Assemblies

#### 730-063:

L (overall) = 44,  
Dia. (body) = 10,  
Tabs = 2.8 0.8

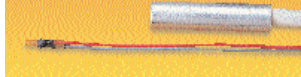


#### 730-075:

L (overall) = 37.5,  
Dia. = 16,  
Tabs = 2.8 0.8

#### 730-087:

L = 14, Dia. = 5,  
Leads L = 380



#### 730-099:

L = 42, Dia. = 9.8,  
2-core cable L = 2800

Thermistor probe assemblies for temperature measurement.

**730-063:** Thermistor in compact stainless steel case, suitable for use in corrosive environments, easy mounting through AMP connectors, for washing machines, water boilers etc.

**730-075:** Thermistor has stainless steel case with O-ring sealing to plastic base, and is suitable for direct immersion in liquids. The device has a fast response and is suitable for heating systems and water boilers.

**730-087:** Coated thermistor disc with shrunk sleeve insulation and PTFE insulated leads, suitable for transformers and electric motors.

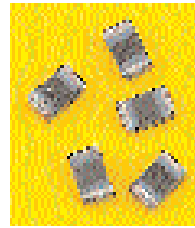
**730-099:** Thermistor in aluminium case with PVC connecting cable, suitable for heating and air conditioning systems.

Resistance	Beta Value	Max. Power @ 25°C	Order Code
1704Ω @ 80°C, 11,982Ω @ 25°C, ±2%	3760 ±1.5%	500mW	730-063
10KΩ @ 25°C, ±2%	3920 ±1.5%	100mW	730-075
1800Ω @ 100°C, 32,762Ω @ 25°C, ±10%	4300 ±1.5%	200mW	730-087
359.3Ω @ 50°C, 886.2Ω @ 25°C, ±2.5%	3560 ±1.5%	380mW	730-099

RP291

Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
B57276K123A3	<b>730-063</b>					
B57010Z103G	<b>730-075</b>					
B57227K333A1	<b>730-087</b>					
B57831M871A3	<b>730-099</b>					

### NTC



- High sensitivity
- High accuracy over wide temperature range



Surface mount NTC thermistors suitable for temperature compensation, sensing and protection applications. Size 0805 chips supplied on 8mm blister tape, suitable for wave or reflow soldering (reel = 4K pieces).

0805 size: H = 2.0, W = 1.25, D = 1.25, Terminations W = 0.5 ± 0.25

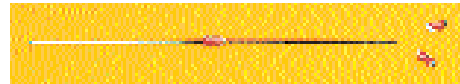
Max. power @ 25°C	210mW	Operating temperature	-55°C to +150°C
Climatic category	40/125/56	Terminations	Silver palladium

Resistance ±5% @ 25°C	Beta Value (K) 25°C to 85°C	Mfrs List No.	Order Code
100Ω	2880 ± 3%	2322-615-13101	<b>732-035</b>
220Ω	2990 ± 3%	2322-615-13221	<b>732-047</b>
330Ω	3041 ± 3%	2322-615-13331	<b>732-059</b>
470Ω	3136 ± 3%	2322-615-13471	<b>732-060</b>
680Ω	3270 ± 3%	2322-615-13681	<b>732-072</b>
1KΩ	3390 ± 3%	2322-615-13102	<b>732-084</b>
2.2KΩ	3680 ± 3%	2322-615-13222	<b>732-096</b>
3.3KΩ	3830 ± 3%	2322-615-13332	<b>732-102</b>
4.7KΩ	3560 ± 1%	2322-615-13472	<b>732-114</b>
5KΩ	3560 ± 1%	2322-615-13502	<b>732-126</b>
10KΩ	3620 ± 1%	2322-615-13103	<b>732-138</b>
15KΩ	3528 ± 1%	2322-615-13153	<b>732-140</b>
33KΩ	3960 ± 3%	2322-615-13333	<b>732-151</b>
47KΩ	4090 ± 1.5%	2322-615-13473	<b>732-163</b>
68KΩ	3740 ± 3%	2322-615-13683	<b>732-175</b>
100KΩ	3650 ± 1%	2322-615-13104	<b>732-187</b>
330KΩ	4015 ± 3%	2322-615-13334	<b>732-199</b>
470KΩ	4130 ± 3%	2322-615-13474	<b>732-205</b>

RP292

Order Multiple=5	Price Each				
Order Code	5+	100+	300+	1K+	4K+
All Order Codes					

### NTC



SOD80 package: L = 3.7 max, Ø = 1.7 max.  
SOD27 package: L = 4.25 max, Ø = 1.85 max,  
Leads L = 25.4, Ø = 0.56

- Small diameter, leaded and surface mount devices
- Quick response to temperature change
- Wide temperature range from -40°C to +300°C
- High stability over a long life
- Resistant to corrosive atmosphere and harsh environments

NTC thermistors in glass envelope suitable for high temperature measurement control, for industrial process control and domestic and automotive applications.

Package	Resistance @ 25°C	Beta Value 25°C to 85°C	Mfrs. List No.	Order Code
SOD80 (SMD)	100kΩ	3977K±1.3%	2322-633-53104	984-620
SOD27 (leaded)	10kΩ	3977K±1.3%	2322-633-83103	984-632
SOD27 (leaded)	100kΩ	3977K±1.3%	2322-633-83104	984-644

RP293

Resistance @ 25°C	Order Code	1+	10+	100+	300+	1000+
100kΩ	<b>SMD 984-620</b>					
10kΩ	<b>984-632</b>					
100kΩ	<b>984-644</b>					

### NTC



5% tol. Series      2% and 1% tol. Series  
L = 4 (typ.), W = 3.5 (typ.), D = 3 (max)      L = 4 (typ.), W = 3.4 (max.), D = 2.7 (max)  
Lead pitch = 2.54, Lead = 17 (min)      Lead pitch = 2.54, Lead L = 38 (min)

NTC thermistors for temperature sensing and control, featuring accuracy over a wide temperature range and good stability.

Tolerance on R25 value	± 5%, ± 2%, ± 1%
Rated dissipation	500mW (5% tol. Series), 100mW (2% and 1% tol. Series)
Operating temp. range	-40°C to +125°C (at zero power, continuously) 0°C to 55°C (at max. power)

Colour code on 2322-640-5xxx Series: 2.7kΩ = Red, 4.7kΩ = Green, 10kΩ = Blue, 100kΩ = Brown

Resistance @ 25°C	Beta Value 25°C to 85°C	Mfrs. List No.	Order Code
2.2kΩ ± 5%	3977K ± 0.75%	2322-640-63222	265-664
3.3kΩ ± 5%	3977K ± 0.75%	2322-640-63332	265-676
4.7kΩ ± 5%	3977K ± 0.75%	2322-640-63472	265-688
10kΩ ± 5%	3977K ± 0.75%	2322-640-63103	265-690
33kΩ ± 5%	4090K ± 1.5%	2322-640-63333	265-706
100kΩ ± 5%	4190K ± 2%	2322-640-63104	265-718