

**New From
 Ametherm**

Ametherm's new Surface Mount Thermistors are specially designed to react quickly to fluctuations in temperature. Our nickel barrier process enhances the life and durability of the thermistor. The new Surface Mount Thermistors are available in a variety of sizes, values, and tolerances to fit your exact needs and specifications.

SurfaceMount Device NTC Thermistors



The Surface Mount NTC Thermistor is useful in:

- Cellular Telephones
- DC to DC Adaptors
- Battery Chargers
- LCD Screens
- Fire Alarms

Electrical & Thermal Characteristics

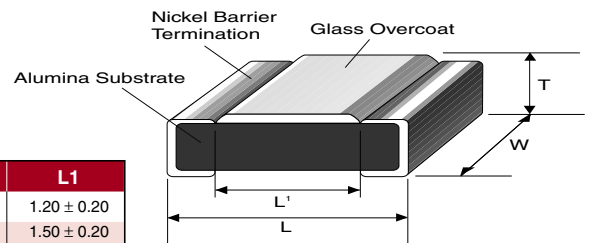
Part Number SM06	R @ 25 C (see note 1)	Beta (°K)	Curve
SM06 101275	100	2700	A
SM06 221290	220	2950	B
SM06 501290	500	2950	B
SM06 102290	1000	2950	B
SM06 502345	5000	3500	M
SM06 103370	10000	3750	N
SM06 223385	22000	3850	K
SM06 503395	50000	3950	L
SM06 104410	100000	4111	R
SM06 154410	150000	4111	R

Part Number SM08	R @ 25 C (see note 1)	Beta (°K)	Curve
SM08 101275	100	2700	A
SM08 221290	220	2950	B
SM08 501290	500	2950	B
SM08 102290	1000	2950	B
SM08 502345	5000	3500	M
SM08 103370	10000	3750	N
SM08 223385	22000	3850	K
SM08 503395	50000	3950	L
SM08 104410	100000	4111	R
SM08 154410	150000	4111	R

Note 1: Standard resistance tolerance is 10%. For 5% tolerance please add -J at the end of the part number.

Addition characteristics of the Surface Mount NTC Thermistor:

- Available in 3%, 5%, and 10% Tolerances
- Power Rating is 1.0mW
- Temperature Range is -40° to +125°C
- Dissipation Constant is 1.5mW/ °C
- Time Constant is 5 seconds



Mechanical Specifications

Type	L (mm)	W	T	L1
SM06 03	1.60 ± 0.15	0.80 ± 0.15	0.50 ± 0.10	1.20 ± 0.20
SM08 05	2.00 ± 0.20	1.25 ± 0.20	0.50 ± 0.10	1.50 ± 0.20