



NTC THERMISTORS: TYPE MELF

GLASS ENCAPSULATED SMD THERMISTOR

DESCRIPTION:

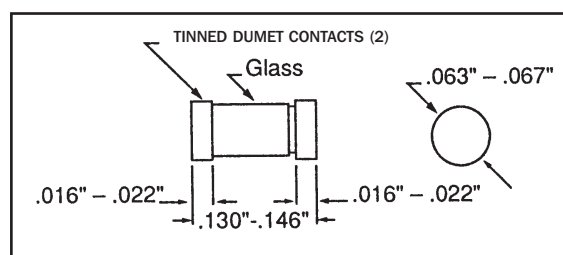
Hermetically sealed, glass encapsulated thermistor in SOD-80 SMD package.

FEATURES:

- Cost effective solid state sensor
- Standard resistance tolerances down to $\pm 2\%$
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Terminations metallurgically bonded to thermistor element for improved reliability
- Wide operating temperature range: -50°C to 204°C
- Rugged construction
- Available in other material systems
- Resistant to corrosive atmospheres and harsh environments
- Tin plated terminations for soldering
- Available pocket taped to EIA RS-481



DIMENSIONS:



TYPE NUMBER	Ro@25C (Ohms)	Beta 25/85	MATERIAL SYSTEM
03006-165.9-55-K	250	2983	GE5.5*
03006-331.8-55-K	500	2983	GE5.5*
03006-624-73-K	1K	3499	GE7.3
03006-1248-73-K	2K	3499	GE7.3
03006-1576-101-K	2786	4102	GE10.1
03006-1847-76-K	3K	3553	GE7.6
03006-2463-76-K	4K	3553	GE7.6
03006-3079-76-K	5K	3553	GE7.6

* maximum operating temperature 150°C

TYPE NUMBER	Ro@25C (Ohms)	Beta 25/85	Material Systems
03006-5818-97-K	10K	3992	GE9.7A
03006-11.7K-98-K	20K	3974	GE9.8
03006-17.53K-98K	30K	3974	GE9.8
03006-29.1K-97-K	50K	3952	GE9.7B
03006-58.2K-97-K	100K	3952	GE9.7B
03006-111.3K-123-K	200K	4365	GE12.3
03006-269.8K-138-K	500K	4567	GE13.8
03006-535K-145-K	1M	4661	GE14.5
03006-2.6M-164-K	5M	4848	GE16.4

OPTIONS:

- For $\pm 5\%$ @ 25°C , replace "K" with "J"
- For $\pm 3\%$ @ 25°C , replace "K" with "H"
- For $\pm 2\%$ @ 25°C , replace "K" with "G"
- For reel taping add "R" suffix
- Other resistances in the range 250Ω to $5\text{ M}\Omega$ available
- Other tolerances, tolerances at other temperatures

DATA:

Standard resistance tolerance: $\pm 10\%$ @ 25°C

Dissipation constant: $3.0\text{ mW}/^{\circ}\text{C}$

Time Constant: 7 sec.

Operating Range: -50°C to 204°C