

## NTC Thermistors, Long Insulated Leads



QUICK REFERENCE DATA		
PARAMETER	VALUE	UNIT
Resistance value at 25 °C	2765	Ω
Tolerance on $R_{25}$ -value	± 2.93	%
$B_{25/85}$ -value	3977	K
Tolerance on $B_{25/85}$ -value	± 0.75	%
Operating temperature range at zero dissipation	- 40 to + 125	°C
Resistance value at 0 °C	9000	Ω
Tolerance on $R_0$ -value	± 2.0	%
Maximum power dissipation at 55 °C	100	mW
Minimum dielectric withstanding voltage (RMS) between leads and coating	500	V
Dissipation factor $\delta$ (for information only)	1.35	mW/K
Response time	1.25	s
Climatic category (LCT/UCT/days)	40/125/56	
Weight	≈ 0.16	g

### FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Best accuracy of ± 0.4 °C at 0 °C
- Electrical features of 'accuracy line' sensors
- Small diameter
- Compliant to RoHS Directive 2002/95/EC and in accordance to WEEE 2002/96/EC


**RoHS**  
COMPLIANT

### APPLICATIONS

- Temperature measurement, sensing and control in automotive and industrial applications

### DESCRIPTION

These negative temperature coefficient thermistors consist of a mini-chip soldered between two PEEK insulated nickel leads and coated with ochre-colored epoxy lacquer.

### PACKAGING

The thermistors are packed in cardboard boxes; the smallest packing quantity is 1000 units.

### MARKING

The component is not marked.

### MOUNTING

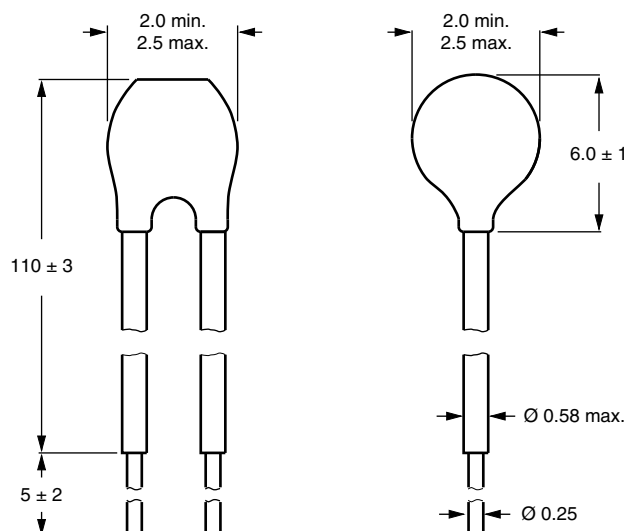
By soldering in any position.  
Part can be potted in suitable resins.

### DESIGN-IN SUPPORT

For complete Curve Computation, visit:

[www.vishay.com/resistors-non-linear/curve-computation-list/](http://www.vishay.com/resistors-non-linear/curve-computation-list/)

### DIMENSIONS in millimeters





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