

NTC Thermistors, Long Insulated Leads



FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Best accuracy of $\pm 0.4\text{ }^{\circ}\text{C}$ at $0\text{ }^{\circ}\text{C}$
- Electrical features of 'accuracy line' sensors
- Small diameter
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


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 AWG #30 PEEK insulated silver plated nickel leads and coated with other 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

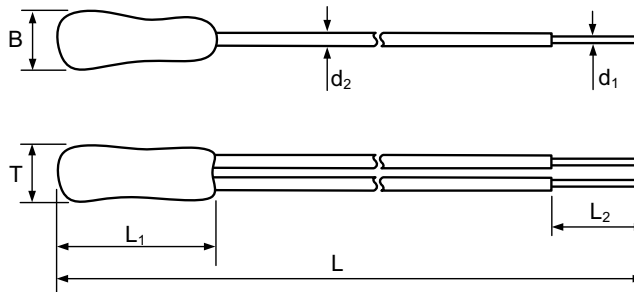
By soldering in any position.
Part can be potted in suitable resins.

DESIGN-IN SUPPORT

For complete curve computation, please visit: www.vishay.com/thermistors/ntc-curve-list/.

QUICK REFERENCE DATA		
PARAMETER	VALUE	UNIT
Resistance value at $25\text{ }^{\circ}\text{C}$	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	$^{\circ}\text{C}$
Resistance value at $0\text{ }^{\circ}\text{C}$	9000	Ω
Tolerance on R_0 -value	± 2.0	%
Maximum power dissipation at $55\text{ }^{\circ}\text{C}$	100	mW
Minimum dielectric withstanding voltage (RMS) between leads and coating	500	V
Dissipation factor δ (for information only)	1.35	mW/K
Response time	1.25	s
Weight	≈ 0.16	g

DIMENSIONS in millimeters



T	B	L	L ₁	L ₂	$\varnothing d_2$ MAX.	$\varnothing d_1$
2.0 to 2.5	2.0 to 2.5	110 ± 3	6 ± 1	5 ± 2	0.58	0.25 ± 0.025

ELECTRICAL DATA AND ORDERING INFORMATION

R_{25} (Ω)	R_{25} -TOL. (\pm %)	$B_{25/85}$ (K)	$B_{25/85}$ -TOL. (\pm %)	SAP MATERIAL AND ORDERING NUMBER
2765	2.93	3977	0.75	NTCLE301E4C90059



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