

NTC Thermistors, Long Non-Insulated Leads



ADDITIONAL RESOURCES



3D Models



Design Tools

QUICK REFERENCE DATA

PARAMETER	VALUE	UNIT
Resistance value at 25 °C	10K	Ω
Tolerance on R_{25} -value	± 5	%
$B_{25/85}$ -value	3977	K
Tolerance on $B_{25/85}$ -value	± 0.75	%
Maximum power dissipation	100	mW
Operating temperature range at zero dissipation	-40 to +125	°C
Response time	0.45	s
Dissipation factor τ	1.4	mW/K
Weight	≈ 0.16	g

FEATURES

- Long and flexible leads for special mounting or assembly requirements
- Fast response time of less than 0.5 s
- Small head diameter
- Material categorization:
for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

APPLICATIONS

- Temperature measurement, sensing and control

DESCRIPTION

These negative temperature coefficient thermistors consist of a mini-chip soldered between two tinned solid nickel leads. The body of the device is coated with an ochre colored epoxy lacquer.

DESIGN-IN SUPPORT

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

Other values and tolerances are available on request.

PACKAGING

The thermistors are packed in cardboard boxes; each box containing 1000 units (10 plastic bags, each containing 100 units).

MARKING

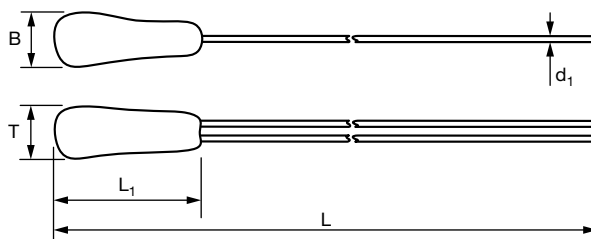
The thermistor body has no marking.

MOUNTING

By soldering in any position.

Not suitable for potted application.

DIMENSIONS in millimeters



T	B	L	L ₁	Ø d ₁
2.5 max.	2.5 max.	110 ± 5	8.0 max.	0.30 ± 0.03

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	
				RoHS COMPLIANT WITH EXEMPTION ⁽¹⁾	RoHS COMPLIANT
10 000	5	3977	0.75	NTCLE201E3C90028	NTCLE201E3C90028A

Note

⁽¹⁾ RoHS exemption 7(c)-I: electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo-electronic devices, or in a glass or ceramic matrix compound



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