

# NTC Thermistors, Long Non-Insulated Leads



## LINKS TO ADDITIONAL RESOURCES



3D Models



Design Tools



Related Documents

QUICK REFERENCE DATA		
PARAMETER	VALUE	UNIT
Resistance value at 25 °C	10K	$\Omega$
Tolerance on $R_{25}$ -value	$\pm 5$	%
$B_{25/85}$ -value	3977	K
Tolerance on $B_{25/85}$ -value	$\pm 0.75$	%
Maximum power dissipation	100	mW
Operating temperature range at zero dissipation	-40 to +125	°C
Response time	0.45	s
Dissipation factor $\tau$	1.4	mW/K
Weight	$\approx 0.16$	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](http://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 other colored epoxy lacquer.

## DESIGN-IN SUPPORT

For complete curve computation, please visit:

[www.vishay.com/thermistors/ntc-curve-list/](http://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

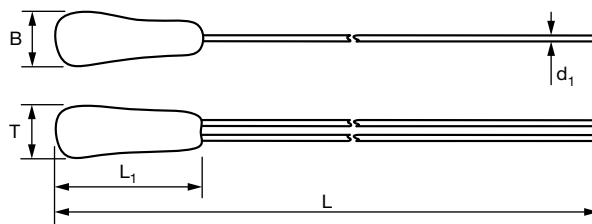
Important mounting and handling instructions: see

[www.vishay.com/doc?29222](http://www.vishay.com/doc?29222)

By soldering in any position.

Not suitable for potted application.

## DIMENSIONS in millimeters



T	B	L	L <sub>1</sub>	Ø d <sub>1</sub>
2.5 max.	2.5 max.	110 ± 5	8.0 max.	0.30 ± 0.03

## ELECTRICAL DATA AND ORDERING INFORMATION

$R_{25}$ ( $\Omega$ )	$R_{25}$ -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

## Notes

Preferred versions for new designs

(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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