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Vishay BCcomponents

NTC Thermistors, Long Non-Insulated Leads



LINKS TO ADDITIONAL RESOURCES



Design Tools
Related
Documents

QUICK REFERENCE DATA					
PARAMETER	VALUE	UNIT			
Resistance value at 25 °C	10K	Ω			
Tolerance on R_{25} -value	± 5	%			
B _{25/85} -value	3977	К			
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 then 0.5 s
- Small head diameter
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

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 ocher colored epoxy lacquer.

DESIGN-IN SUPPORT

For complete curve computation, please visit: www.vishav.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).

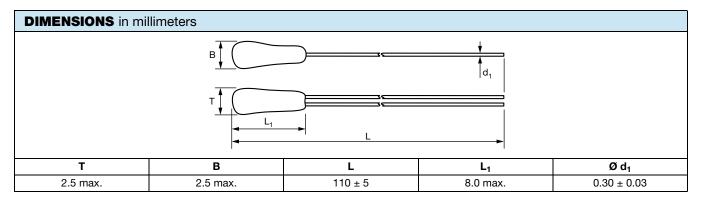
MARKING

The thermistor body has no marking.

MOUNTING

Important mounting and handling instructions: see www.vishay.com/doc?29222

By soldering in any position. Not suitable for potted application.



ELECTRICAL DATA AND ORDERING INFORMATION					
R ₂₅	R ₂₅ R ₂₅ -TOL. B _{25/85} I		B _{25/85} -TOL.	SAP MATERIAL AND ORDERING NUMBER	
(Ω)	(± %)	(K)	(± %)	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

Revision: 18-Sep-2020

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Pb-free Available

ROHS COMPLIANT



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Revision: 01-Jul-2024