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Stocking Distributor

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[Vishay/BCcomponents](#)
[NTCLE101E3C90172](#)

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www.vishay.com

NTCLE101E3C90172, NTCLE101E3C90173

Vishay BCcomponents

NTC Thermistors, Radial Leaded with Low B_{25/85} Values



QUICK REFERENCE DATA		
PARAMETER	VALUE (per case)	UNIT
Resistance value at 25 °C	5K, 10K	Ω
Tolerance on R ₂₅ -value	± 1	%
B _{25/85} -value	3324, 3435	K
Tolerance on B _{25/85} -value	± 1	%
Operating temperature range (short term)	-55 to +125	°C
Response time (63.2 %) 25 °C to 750 °C still air (for info by case)	1.2	s
Dissipation factor δ in still air (for each case)	7	mW/K
Maximum power dissipation (by case)	250	mW
Weight	approx. 0.22	g

FEATURES

- Alternate B_{25/85} to the NTCLE100.. series
- Linearization possible over a wider range of temperature because lower sensitivity than standard NTCLE101...SB0 (lower B_{25/85} values)
- Delivered in bulk (delivery on tape and reel possible)
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912



RoHS COMPLIANT

APPLICATIONS

- Temperature measurement, sensing, control, and compensation

MOUNTING

Please refer to information provided for generic NTCLE100E3... series.

PACKAGING

The thermistors are packed in cardboard boxes, each box contains 500 units.

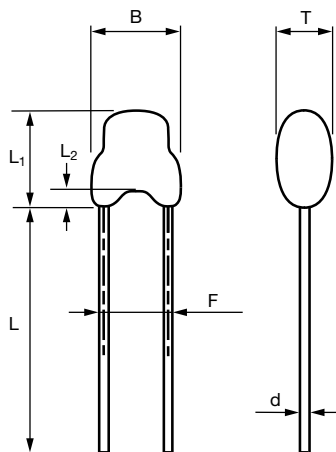
RELIABILITY INFORMATION

By soldering in any position. Not intended for potted applications.

ELECTRICAL DATA AND ORDERING INFORMATION					
VISHAY SAP ORDERING NUMBER (1)	R ₂₅ -VALUE (kΩ)	dR ₂₅ -VALUE (%)	B _{25/85} -VALUE (K)	B _{25/85} -TOL. (%)	DESCRIPTION
NTCLE101E3C90172	5	1	3324	1	NTC thermistors with two tin-plated copper leads, 90172 and 90173 are respectively red and white lacquered and are non insulated
NTCLE101E3C90173	10	1	3435	1	

Note

(1) The complete resistance vs temperatures characteristics can be downloaded at: www.vishay.com/resistors-non-linear/ntc-curve-list/.



DIMENSIONS in millimeters			
PARAMETER	VALUE		
	NOM.	MIN.	MAX.
B	Not applicable	Not applicable	3.5
T	Not applicable	Not applicable	2.8
L ₁	Not applicable	Not applicable	8
L ₂	2	1	3
L	Not applicable	17	Not applicable
F	2.54	For information only	
d	0.6	0.54	0.66



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