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Vishay BCcomponents

# NTC Thermistors, Long Non-Insulated Leads



### **ADDITIONAL RESOURCES**

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**Design Tools** 



Weight

QUICK REFERENCE DA	JICK REFERENCE DATA				
PARAMETER	VALUE	UNIT			
Resistance value at 25 °C	10K	Ω			
Tolerance on $R_{25}$ -value	± 5	%			
B <sub>25/85</sub> -value	3977	K			
Tolerance on B <sub>25/85</sub> -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 $\tau$	1.4	mW/K			

≈ 0.16

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### **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 www.vishay.com/doc?99912

#### **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.vishay.com/thermistors/ntc-curve-list/

Other values and tolerances are available on request.

### PACKAGING

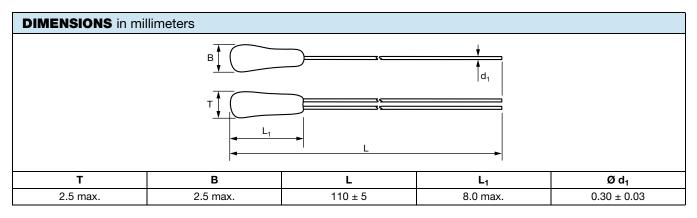
The thermistors are packed in cardboard boxes; each box containing 1000 units (10 plastic bags, each containing 100 units).

### MARKING

The thermistor body has no marking.

### MOUNTING

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



ELECTRICAL DATA AND ORDERING INFORMATION					
	B <sub>25/85</sub> -TOL.	SAP MATERIAL AND ORDERING NUMBER			
	(± %)	<b>RoHS COMPLIANT WITH EXEMPTION</b> <sup>(1)</sup>	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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RoHS

COMPLIANT



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