GR Series Glass Coated Chip Thermistor

Description

Littelfuse radial leaded glass coated chip thermistors feature excellent long-term stability and reliability as well as a fast thermal response time. They are especially suitable for temperature measurement and control where extreme temperatures, corrosive atmospheres and/or harsh environments are encountered. Their low cost and excellent reliability make them useful for applications ranging from HVAC/R to Industrial Controls to Consumer Appliances.

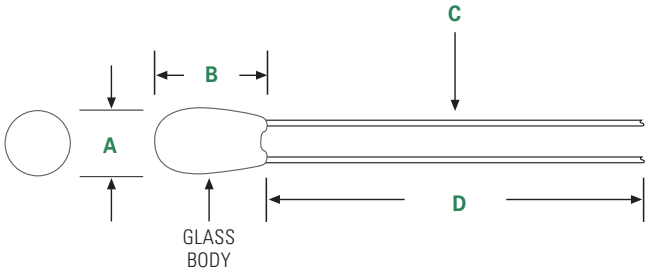
Options

- Non-standard resistance values and tolerances

Features

- High temperature capability to +300°C
- High stability
- Solderable lead wires

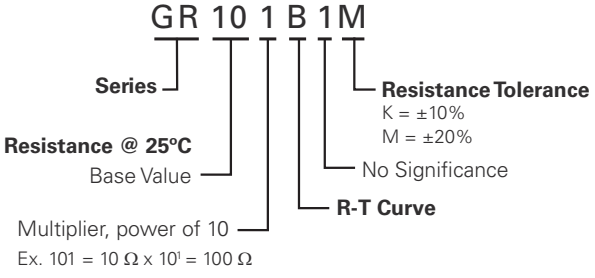
Dimensions



Dimensions shown in inches.

A	B	C	D
0.090" Max	0.160" Max	0.0098" Nom Diam Lead Wires	1.00" Min

Part Numbering System



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

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Specifications

Part Number	Resistance Ohms @25°C	*Resistance Tol. ± % @ 25°C	Temperature Coefficient (% / °C) @ 25°C	R-T Curve	Beta (K) 25-85 °C	Dissipation Constant, Nominal (mW/°C)	Thermal Time Constant, Max. - Still Air (seconds)	Temperature Range (°C)
GR101B1M	100	20	-3.18	B7	2826	_	14	-55 to +300
GR102F1K	1000	10	-3.86	F	3499	1.3	14	-55 to +300
GR302J1K	3000	10	-4.4	J	3977	1.3	14	-55 to +300
GR103E1K	10000	10	-3.82	E1	3435	1.3	14	-55 to +300
GR103J1K	10000	10	-4.4	J	3977	1.3	14	-55 to +300
GR104R1K	100000	10	-4.68	R	4263	1.3	14	-55 to +300

*Resistance tolerances of ± 1%, 2%, and 5% are available upon request