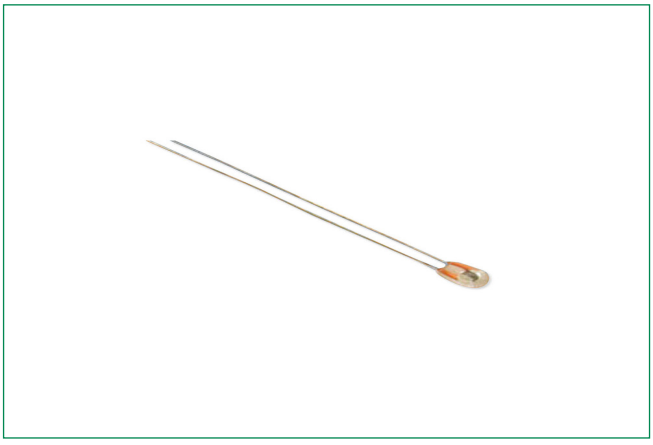
GT Series Glass Coated Chip Thermistor



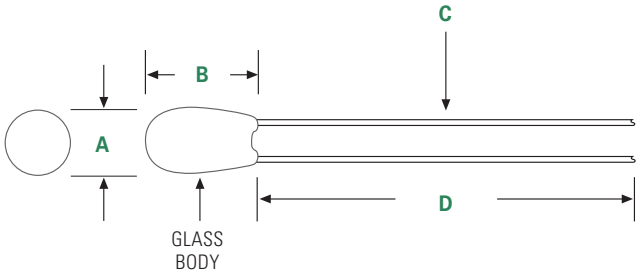
Description

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

Dimensions



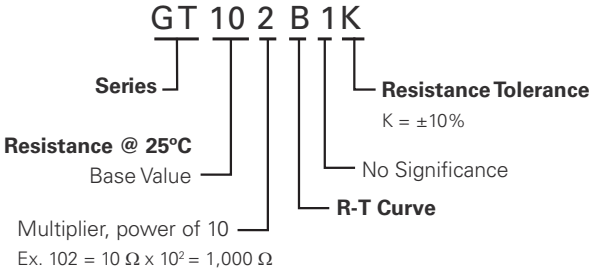
Dimensions shown in inches.

A	B	C	D
0.039" Max	0.089" Max	0.0055" Nom Dia Lead Wires	1.00" Min

Features

- High temperature capability to +300°C
- High stability
- Solderable lead wires
- Fast thermal response time

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	R-T Curve	Temperature Coefficient (% / °C) @ 25°C	Beta (K) 25-85°C	Dissipation Constant, Nominal (mW/°C)	Thermal Time Constant, Max. - Still Air (seconds)	Temperature Range (°C)
GT102B1K	1000	10	B	-3.3	3009	0.45	2.5	-55 to +260
GT202F1K	2000	10	F	-3.86	3499	0.45	2.5	-55 to +260
GT502F1K	5000	10	F	-3.86	3499	0.45	2.5	-55 to +260
GT103E1K	10000	10	E1	-3.52	3435	0.45	2.5	-55 to +260
GT103J1K	10000	10	J	-4.4	3977	0.45	2.5	-55 to +300
GT303J1K	30000	10	J	-4.4	3977	0.45	2.5	-55 to +260
GT473N1K	47000	10	N1	-4.5	4073	0.45	2.5	-55 to +260
GT503J1K	50000	10	J	-4.4	3977	0.45	2.5	-55 to +260
GT104L1K	100000	10	L1	-4.52	4040	0.45	2.5	-55 to +300
GT105U1K	1000000	10	U1	-4.52	4350	0.45	2.5	-55 to +300

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