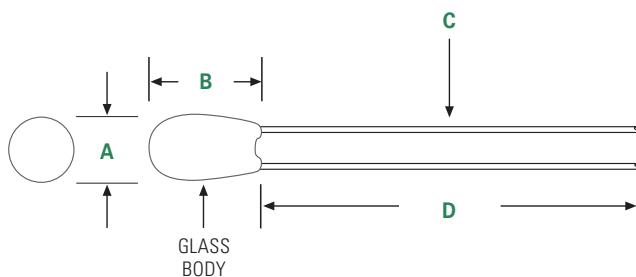


GS Series Glass Coated Chip Thermistor



Dimensions



Dimensions shown in inches.

A	B	C	D
0.060" Max	0.135" Max	0.0079" Nom Dia Lead Wires	1.00" Min

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.

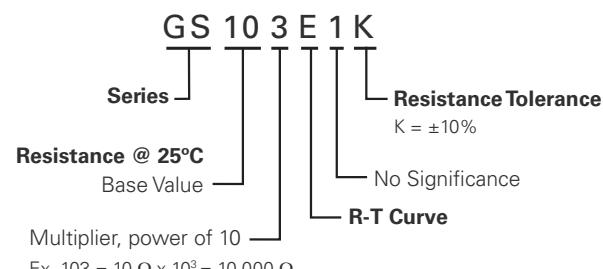
Options

- Non-standard resistance values and tolerances

Features

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

Part Numbering System



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

GS Series Glass Coated Chip Thermistor

Specifications

Part Number	Resistance Ohms @25°C	*Resistance Tol. ± % @ 25°C	R-T Curve	Temperature Coefficient (% / °C) @ 25°C	Beta (K) 0-50°C	Beta (K) 25/50°C	Beta (K) 25-85°C	Dissipation Constant, Nominal (mW/°C)	Thermal Time Constant, Max. - Still Air (seconds)	Temperature Range (°C)
GS201B1K	200	10	SEE RT CHART	-3.38	—	3000	3047	0.7	5	-55 to +300
GS501D1K	500	10	SEE RT CHART	-3.59	—	3170	3218	0.7	5	-55 to +300
GS202F1K	2000	10	SEE RT CHART	-3.92	—	3470	3518	0.7	5	-55 to +300
GS222E1K	2186	10	SEE RT CHART	-3.82	—	—	3419	0.7	5	-55 to +300
GS302J1K	3000	10	J	-4.4	3892	—	3977	0.7	5	-55 to +300
GS502F1K	5000	10	SEE RT CHART	-3.9	3380	—	3613	0.7	5	-55 to +300
GS502J1K	5000	10	J	-4.4	—	—	3977	0.7	5	-55 to +300
GS103E1K	10000	10	E1	-3.82	—	—	3435	0.7	5	-55 to +300
GS103G1K	10000	10	G	-4.03	—	—	3694	0.7	5	-55 to +300
GS103J1K	10000	10	J	-4.4	—	—	3977	0.7	5	-55 to +300
GS153J1K	15000	10	J	-4.4	—	3935	3977	0.7	5	-55 to +300
GS303J1K	30000	10	J	-4.4	—	—	3977	0.7	5	-55 to +300
GS503J1K	50000	10	J	-4.4	—	—	3977	0.7	5	-55 to +300
GS104J1K	100000	10	J	-4.4	—	—	3977	0.7	5	-55 to +300
GS104R1K	100000	10	R	-4.68	—	—	4263	0.7	5	-55 to +300
GS204R1K	200000	10	SEE RT CHART	-4.73	—	4160	4223	0.7	5	-55 to +300
GS105W1K	1000000	10	SEE RT CHART	-5.25	—	4600	4668	0.7	5	-55 to +300

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

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at: www.littelfuse.com/disclaimer-electronics