

# GS 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.

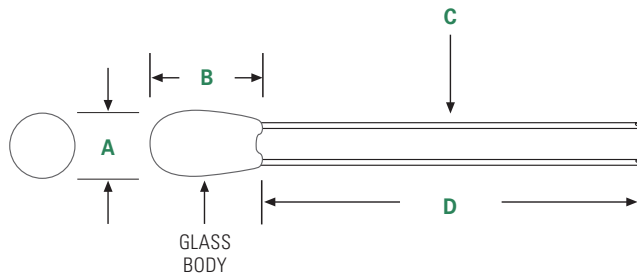
## Options

- Non-standard resistance values and tolerances

## Features

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

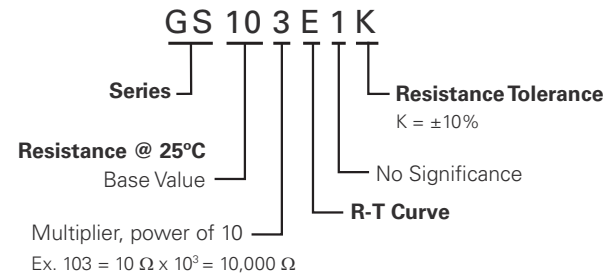
## Dimensions



Dimensions shown in inches.

A	B	C	D
0.060" Max	0.135" Max	0.0079" Nom Dia 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	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

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