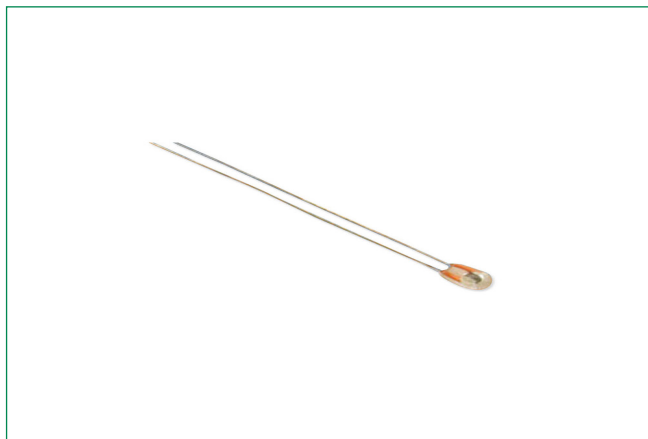


## GT Series Glass Coated Chip Thermistor



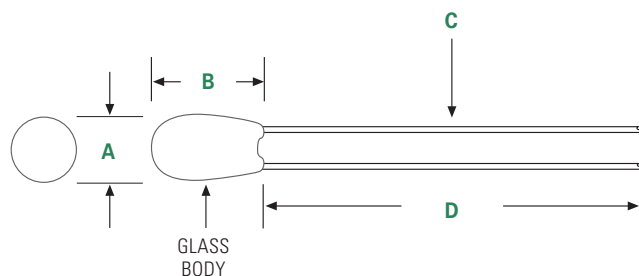
### Description

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



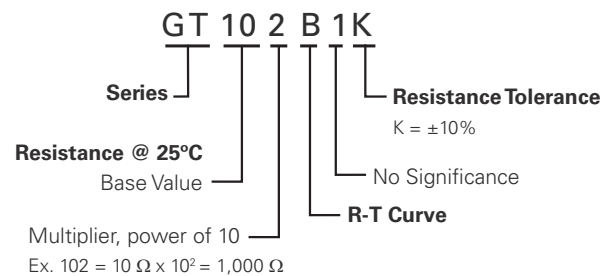
Dimensions shown in inches.

| A             | B             | C                                | D            |
|---------------|---------------|----------------------------------|--------------|
| 0.039"<br>Max | 0.089"<br>Max | 0.0055"<br>Nom Dia<br>Lead Wires | 1.00"<br>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.

## GT 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) 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

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