

GL Series Glass Probe Thermistors



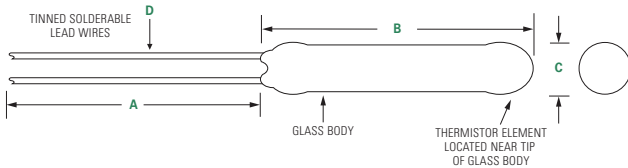
Description

Littelfuse high temperature glass probe thermistors feature superior long-term stability and fast thermal response. Their small size and glass encapsulation makes them especially suitable for temperature measurement and control where space is limited and where extreme temperatures, corrosive atmospheres and/or harsh environments are encountered. Littelfuse glass probe thermistors have a wide range of applications within the HVAC/R, Industrial, Medical, Consumer Electronics, Alternative Energy, Telecommunications, Medical and Environmental Systems and Controls markets.

Options

- Non-standard resistance values and tolerances
- Two glass body lengths (.500" and 1.000")

Dimensions



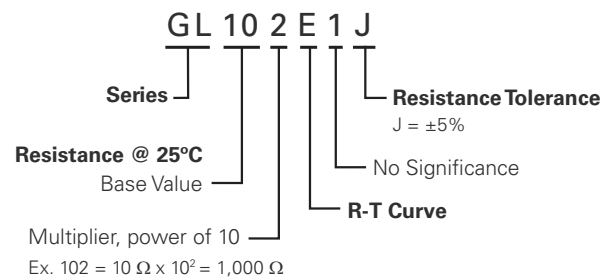
Dimensions shown in inches.

| A | B | C | D |
|--------------|-----------------------|---------------|------------------------|
| 1.00" Nom | See Specs Table | 0.070" Nom | 0.0098" Nom Diam |

Features

- High temperature capability to +300°C
- High reliability
- Excellent long-term 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 | Dim "B" | Temperature Rating (°C) |
|-------------|-----------------------|-----------------------------|-----------|---|------------------|---------|-------------------------|
| GL102E5J | 1000 | 5 | E | -3.67 | 3348 | 0.500" | -55 to +300 |
| GL102E9J | 1000 | 5 | E | -3.67 | 3348 | 1.000" | -55 to +300 |
| GL122E5J | 1200 | 5 | E | -3.67 | 3348 | 0.500" | -55 to +300 |
| GL122E9J | 1200 | 5 | E | -3.86 | 3348 | 1.000" | -55 to +300 |
| GL202F5J | 2000 | 5 | F | -3.86 | 3499 | 0.500" | -55 to +300 |
| GL202F9J | 2000 | 5 | F | -3.86 | 3499 | 1.000" | -55 to +300 |
| GL502F5J | 5000 | 5 | F | -3.86 | 3499 | 0.500" | -55 to +300 |
| GL502F9J | 5000 | 5 | F | -3.86 | 3499 | 1.000" | -55 to +300 |
| GL103J5J | 10000 | 5 | J | -4.4 | 3977 | 0.500" | -55 to +300 |
| GL103J9J | 10000 | 5 | J | -4.4 | 3977 | 1.000" | -55 to +300 |
| GL104R5J | 100000 | 5 | R | -4.68 | 4263 | 0.500" | -55 to +300 |
| GL104R9J | 100000 | 5 | R | -4.68 | 4263 | 1.000" | -55 to +300 |

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

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