

DO-34 Standard Series Glass Encapsulated Thermistors



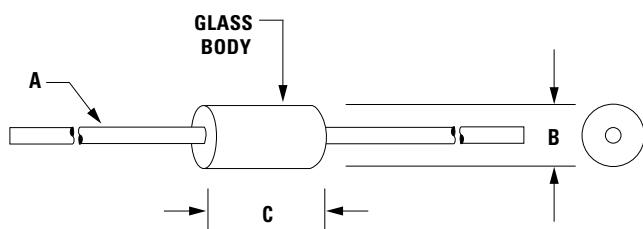
Description

Littelfuse low cost glass encapsulated thermistors are manufactured using super stable NTC chips which are hermetically sealed in a glass (DO-34 diode style) package. The result is a device which exhibits excellent long-term reliability and stability even when subjected to severe environmental or thermal conditions. Their uniform dimensions and axial lead configuration make them especially suitable for use with automatic insertion equipment.

Options

- Non-standard resistance values and tolerances
- Point matched at specified temperatures

Dimensions



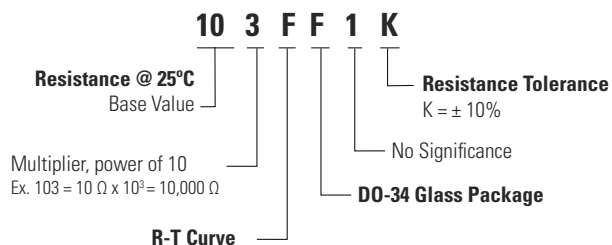
Dimensions shown in inches.

| A | B | C |
|---|---------------|---------------|
| 0.0157" \pm 0.0025" Dia 22 AWG Tinned CCS 1.0" Long Min | 0.065" Max | 0.110" Max |

Features

- High temperature capability to +300°C
- Hermetically sealed glass package
- Low cost
- Excellent long-term stability
- High Voltage Insulation
- Tinned CCS Lead Wires are Solderable or Weldable

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 | Dissipation Constant, Nominal (mW/°C) | Thermal Time Constant, Max. - Still Air (seconds) | Thermal Time Constant, Max. - Well Stirred Oil (seconds) | Temperature Rating (°C) |
|-------------|-----------------------|-----------------------------|-----------|---------------------------------------|-----------------|---------------------------------------|---|--|-------------------------|
| 202FF1K | 2,000 | 10 | F | -3.86 | 3419 | 2 | 5 | 0.5 | -55 to +300 |
| 103FF1K | 10,000 | 10 | F | -3.86 | 3419 | 2 | 5 | 0.5 | -55 to +300 |
| 103JF1K | 10,000 | 10 | J | -4.4 | 3892 | 2 | 5 | 0.5 | -55 to +300 |
| 123JF1K | 12,000 | 10 | J | -4.4 | 3892 | 2 | 5 | 0.5 | -55 to +300 |
| 683N1F1K | 68,000 | 10 | N1 | -4.5 | 3991 | 2 | 5 | 0.5 | -55 to +300 |
| 104JF1K | 100,000 | 10 | J | -4.4 | 3892 | 2 | 5 | 0.5 | -55 to +300 |
| 334RF1K | 330,000 | 10 | R | -4.68 | 4140 | 2 | 5 | 0.5 | -55 to +300 |

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