



## DO-35 Interchangeable Glass Encapsulated Thermistors

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### U.S. Sensor

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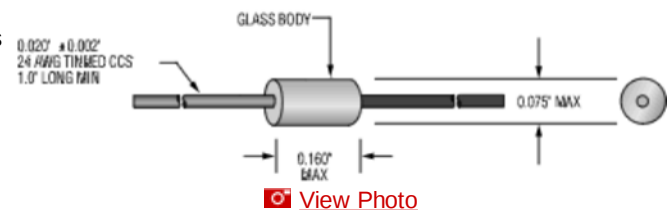
U.S. Sensor's low cost interchangeable glass encapsulated thermistors are manufactured using super stable, precision NTC chips which are hermetically sealed in a glass (DO-35 diode style) package. The result is a device which exhibits excellent long term reliability and stability even when subjected to severe environmental or thermal conditions. Their uniform dimensions and axial lead configuration make them especially suitable for use with automatic insertion equipment.

### Features

- High temperature capability to 300°C
- Hermetically sealed glass package
- Low cost
- High stability
- High voltage insulation
- Tinned CCS lead wires are solderable or weldable



### GLASS ENCAPSULATED THERMISTOR



### Options

- Special lead forms
- Non-standard resistance values and tolerances
- Point matched at specified temperatures
- Tape and reel packaging

### Specifications

- Thermal time constant: 5 seconds (still air)
- Thermal time constant: 0.5 seconds (stirred liquid)
- Dissipation constant: 2 mW/°C (still air)

### DO-35 INTERCHANGEABLE GLASS ENCAPSULATED (300°C) ± 0.5°C Accuracy

| Part Number<br>(±0.5°C 0-100°C) | Resistance<br>Ohms @25°C | R-T Curve | Beta (K)<br>0-50°C | View<br>R-T Chart    |
|---------------------------------|--------------------------|-----------|--------------------|----------------------|
| 103JL1A                         | 10000                    | J         | 3890               | <a href="#">View</a> |
| 203JL1A                         | 20000                    | J         | 3890               | <a href="#">View</a> |
| 253JL1A                         | 25000                    | J         | 3890               | <a href="#">View</a> |
| 503JL1A                         | 50000                    | J         | 3890               | <a href="#">View</a> |
| 104JL1A                         | 100000                   | J         | 3890               | <a href="#">View</a> |

### DO-35 INTERCHANGEABLE GLASS ENCAPSULATED (300°C) ± 1.0°C Accuracy

| Part Number<br>(±1.0°C 0-100°C) | Resistance<br>Ohms @25°C | R-T Curve | Beta (K)<br>0-50°C | View<br>R-T Chart    |
|---------------------------------|--------------------------|-----------|--------------------|----------------------|
| 103JM1A                         | 10000                    | J         | 3890               | <a href="#">View</a> |
| 203JM1A                         | 20000                    | J         | 3890               | <a href="#">View</a> |
| 253JM1A                         | 25000                    | J         | 3890               | <a href="#">View</a> |
| 503JM1A                         | 50000                    | J         | 3890               | <a href="#">View</a> |
| 104JM1A                         | 100000                   | J         | 3890               | <a href="#">View</a> |

