



## DO-41 Standard Glass Encapsulated Thermistors

U.S. Sensor's low cost glass encapsulated thermistors are manufactured using super stable NTC chips which are hermetically sealed in a glass (DO-41 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.

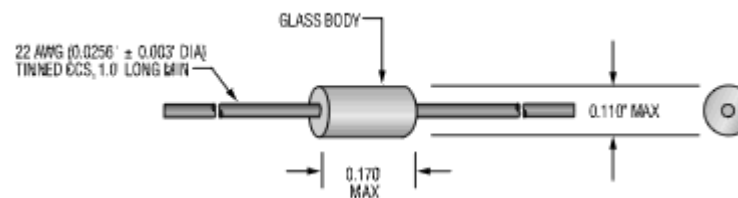
### Features

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



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### GLASS ENCAPSULATED THERMISTOR



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### Options

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

### Specifications

- Thermal time constant: 8 seconds max (still air)
- Thermal time constant: 2 seconds max (stirred liquid)
- Dissipation constant: 3 mW/°C (still air)

### Company Information

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### Markets and Applications




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### U.S. Sensor

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| Part Number | Resistance Ohms @25°C | * Resistance Tol. ± % | R-T Curve | Beta (K) 0-50°C | View R-T Chart  |
|-------------|-----------------------|-----------------------|-----------|-----------------|---|
| 102FH1K     | 1000                  | 10                    | F         | 3420            |   |
| 302JH1K     | 3000                  | 10                    | J         | 3890            |  |
| 502JH1K     | 5000                  | 10                    | J         | 3890            |  |

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