

DO-41 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-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.

Options

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

Dimensions



Dimensions shown in inches.

A	B	C
0.0256" ±0.003" Dia 22 AWG Tinned CCS 1.0" Long Min	0.110" Max	0.170" Max

Features

- High temperature capability to +300°C
- Hermetically sealed glass package
- Low cost
- High voltage insulation
- Excellent long-term stability
- Tinned CSS 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)
101BH1K	100	10	B	-3.31	2941	3	8	2	-55 to +220
501FH1K	500	10	F	-3.86	3419	3	8	2	-55 to +300
102FH1K	1000	10	F	-3.86	3419	3	8	2	-55 to +300
202JH1K	2000	10	J	-4.4	3892	3	8	2	-55 to +300
222JH1K	2252	10	J	-4.4	3892	3	8	2	-55 to +300
302JH1K	3000	10	J	-4.4	3892	3	8	2	-55 to +300
502JH1K	5000	10	J	-4.4	3890	3	8	2	-55 to +300
203RH1K	20000	10	R	-4.68	4140	3	8	2	-55 to +300
333RH1K	33000	10	R	-4.68	4140	3	8	2	-55 to +300

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

Packaging

Packaging Option	Packaging Code	Standard Quantity	Standard
Tape and Reel	-TR	5000	EIA-296

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