HM Series LL-34 MiniMELF Thermistors



Description

Littelfuse LL-34 "MiniMELF" style interchangeable glass encapsulated surface mount thermistors are manufactured using super stable NTC chips which are hermetically sealed in a glass package. The result is a device which exhibits excellent long-term reliability and stability even when subjected to severe environmental or thermal conditions. They are well suited for uses where their interchangeability eliminates the necessity for costly individual circuit calibration. Their uniform dimensions make them especially suitable for use with automatic insertion equipment.

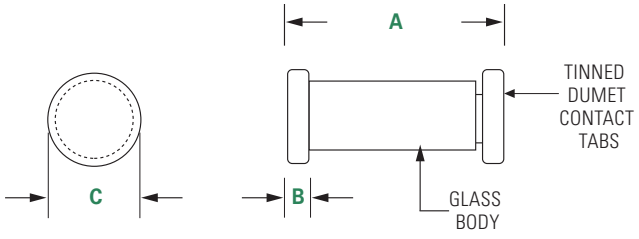
Options

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

Features

- High temperature capability to +220°C
- Surface mountable
- Hermetically sealed glass package
- Low cost
- Excellent long-term stability

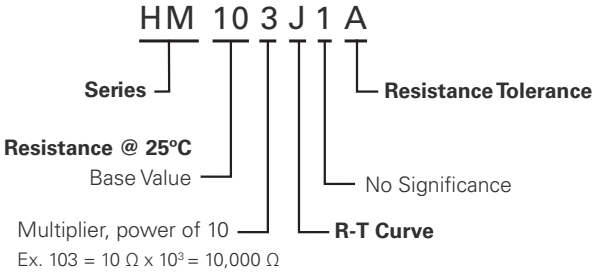
Dimensions



Dimensions shown in inches.

A	B	C
0.135" ± 0.012"	0.019" ± 0.005"	0.0603" ± 0.005"

Part Numbering System



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

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Specifications are subject to change without notice.

Specifications

Part Number	Resistance Ohms @25°C	*Resistance Tol. ± % @ 25°C	Accuracy (0°C to +50°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)	Temperature Rating (°C)
HM103J1A	10000	0.5	± 0.5 °C	J	-4.4	3892	2	8	-55 to +220
HM153J1A	15000	0.5	± 0.5°C	J	-4.4	3892	2	8	-55 to +220
HM203J1A	20000	0.5	± 0.5°C	J	-4.4	3892	2	8	-55 to +220
HM503J1A	50000	0.5	± 0.5°C	J	-4.4	3892	2	8	-55 to +220
HM104J1A	100000	0.5	± 0.5°C	J	-4.4	3892	2	8	-55 to +220

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

Packaging

Packaging Option	Packaging Code	Standard Quantity	Standard
Tape and Reel	-TR	2500	EIA-481

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