

# LL 34 MiniMELF WM



## 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

## Dimensions



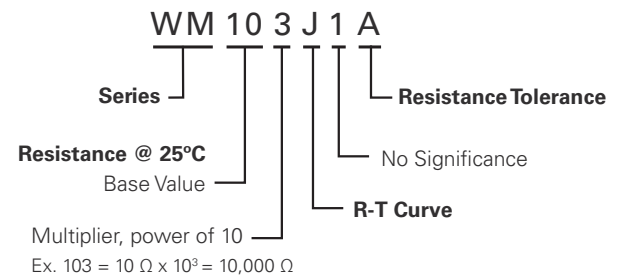
Dimensions shown in inches.

A	B	C
0.135" ± 0.012"	0.019" ± 0.005"	0.060" ± 0.005"

## Features

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

## 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	Accuracy (0 °C to +100 °C)	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)
WM103J1A	10000	± 1.0 °C	-4.4	3892	2	8	-55 to +220
WM103J1B	10000	± 1.0 °C	-4.4	3892	2	8	-55 to +220
WM153J1A	15000	± 1.0 °C	-4.4	3892	2	8	-55 to +220
WM203J1A	20000	± 1.0 °C	-4.4	3892	2	8	-55 to +220
WM503J1A	50000	± 1.0 °C	-4.4	3892	2	8	-55 to +220
WM104J1A	100000	± 1.0 °C	-4.4	3892	2	8	-55 to +220

### Packaging

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

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