

# SB Series LL-41 MELF Thermistors

RoHS



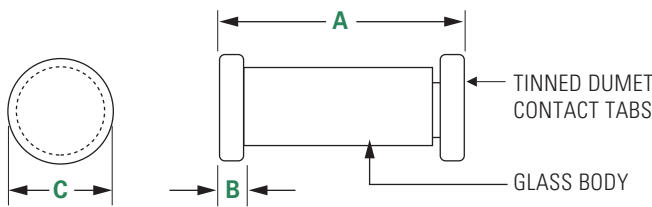
## Description

Littelfuse LL-41 "MELF" style 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. 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



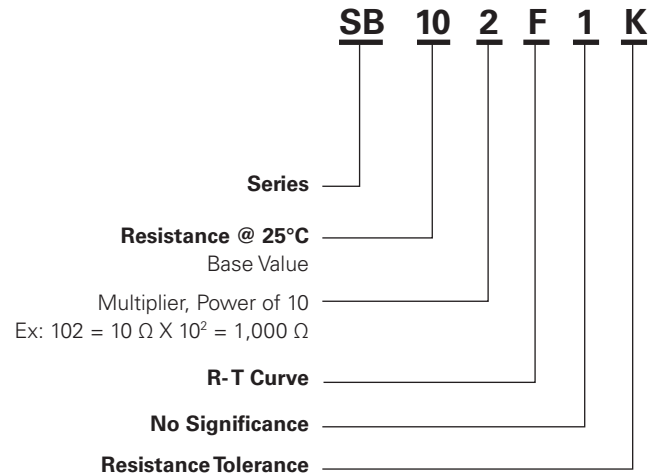
Dimensions in inches

A	B	C
0.197" ± 0.012"	0.016" ± 0.005"	0.096" ± 0.008"

## 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.

### SB Series LL-41 MELF Thermistors

#### Specifications

Part Number	Resistance Ohms @ 25°C	*Resistance Tolerance ± % @ 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)	Temperature Rating (°C)
SB102F1K	1,000	10	F	-3.86	3419	3	8	-55 to +220
SB222J1K	2,252	10	J	-4.4	3892	3	8	-55 to +220
SB252J1K	2,500	10	J	-4.4	3892	3	8	-55 to +220
SB272J1K	2,700	10	J	-4.4	3892	3	8	-55 to +220
SB302J1K	3,000	10	J	-4.4	3892	3	8	-55 to +220
SB502J1K	5,000	10	J	-4.4	3892	3	8	-55 to +220
SB203R1K	20,000	10	R	-4.68	4140	3	8	-55 to +220

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

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at [www.littelfuse.com/disclaimer-electronics](http://www.littelfuse.com/disclaimer-electronics).