

## SB Series LL-41 MELF Thermistors



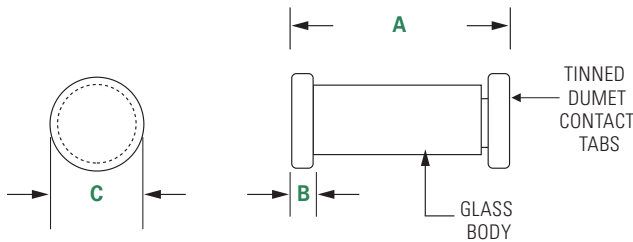
### Description

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



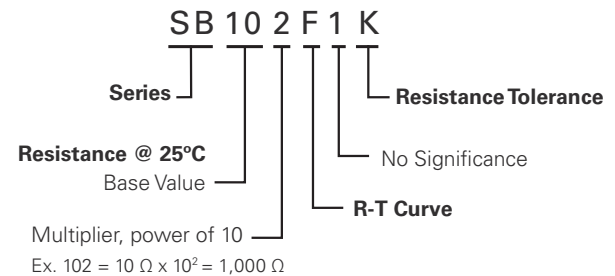
Dimensions shown in inches.

A	B	C
0.135"	0.019"	0.060"
± 0.012"	± 0.005"	± 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	*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)	Temperature Rating (°C)
SB102F1K	1000	10	F	-3.86	3419	3	8	-55 to +220
SB222J1K	2252	10	J	-4.4	3892	3	8	-55 to +220
SB252J1K	2500	10	J	-4.4	3892	3	8	-55 to +220
SB272J1K	2700	10	J	-4.4	3892	3	8	-55 to +220
SB302J1K	3000	10	J	-4.4	3892	3	8	-55 to +220
SB502J1K	5000	10	J	-4.4	3892	3	8	-55 to +220
SB203R1K	20000	10	R	-4.68	4140	3	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	1500	EIA-481

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