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.

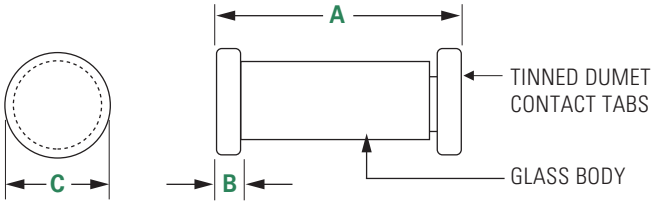
Options

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

Features

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

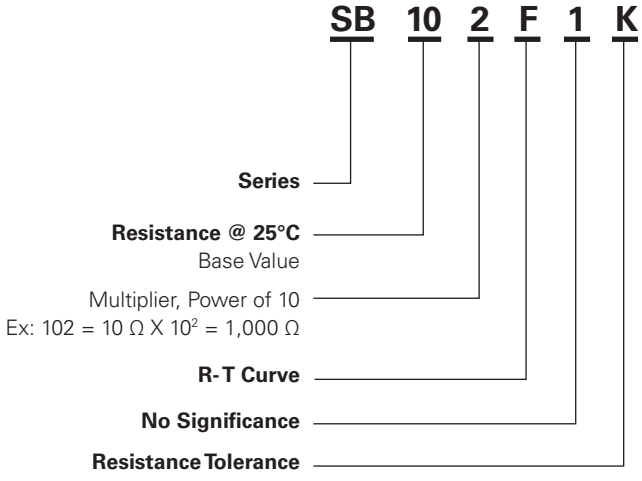
Dimensions



Dimensions in inches

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

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.

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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

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