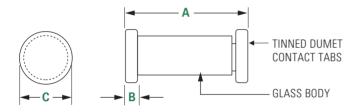


SB Series LL-41 MELF Thermistors

RoHS



Dimensions



Dimensions in inches

| A | В | С | | |
|-----------------|-----------------|-----------------|--|--|
| 0.197" ± 0.012" | 0.016" ± 0.005" | 0.096" ± 0.008" | | |

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.

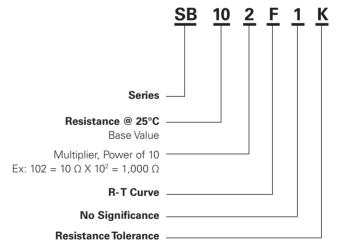
Options

- 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

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

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