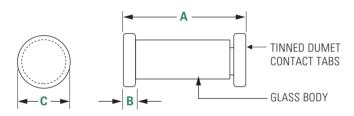


# SB Series LL-41 MELF Thermistors





### **Dimensions**



Dimensions in inches

| А               | В               | C               |  |  |
|-----------------|-----------------|-----------------|--|--|
| 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.

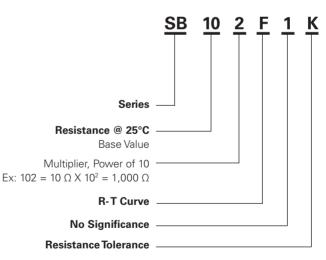
### **Options**

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

#### **Features**

- High temperature capability to +220°C
- Surface mountable
- Hermetically sealed glass package

## Part Numbering System



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

Tape and Reel Packaging

• Excellent long-term stability

Low cost

# **SB Series LL-41 MELF Thermistors**

## **Specifications**

| Part<br>Number | Resistance<br>Ohms<br>@ 25°C | *Resistance<br>Tolerance<br>±%<br>@ 25°C | R-T<br>Curve | Temperature<br>Coefficient<br>(% / °C)<br>@ 25°C | Beta (K)<br>0-50°C | Dissipation<br>Constant,<br>Nominal<br>(mW/°C) | Thermal<br>Time<br>Constant,<br>Max Still Air<br>(seconds) | Temperature<br>Rating<br>(°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  $\pm$  1%, 2%, and 5% are available upon request

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