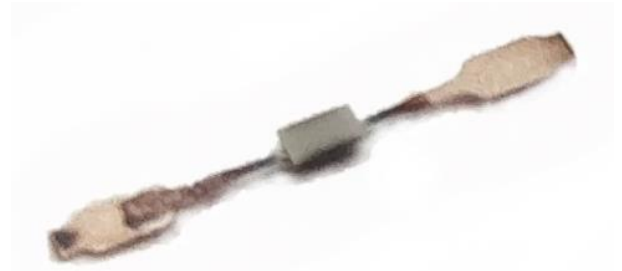


Semitec FL – Thin Film NTC Thermistor

Semitec FL micro thin-film thermistors outperform conventional NTC thermistors due to their miniature size, minimal thermal mass and very fast response times. The FL thermistor (based on our revolutionary FT thin-film SMD thermistor) is fitted with axial, flat weldable connections to aid final sensor assembly.

Applications

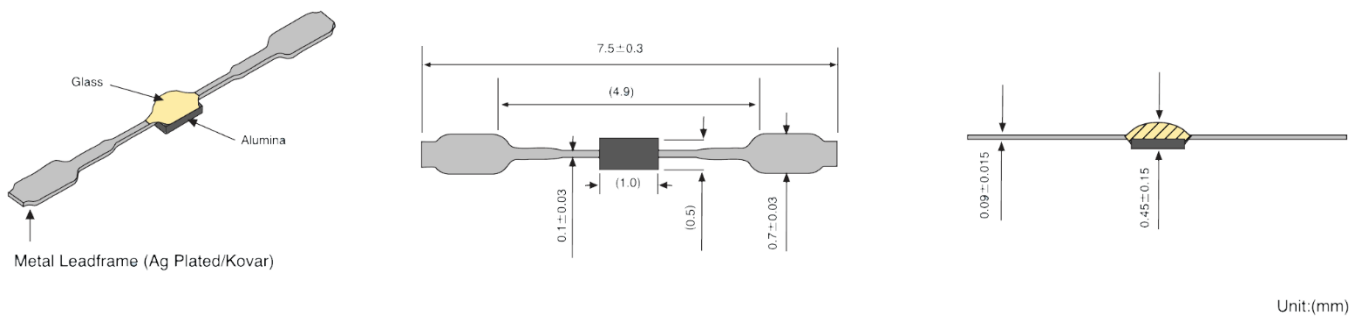
- High speed digital thermometers
- Wearable devices
- Medical devices
- Office automation
- Computer & mobile devices
- Security devices



Features

- Thin-film high temperature NTC thermistor technology
- Exceptionally fast response time
- Glass passivation ensures high moisture resistance
- High temperature range -40°C to +350°C
- Available in bulk or lead-frame attached

Dimensions



Specifications

Part Number	Resistance Value	B Value *1	Dissipation factor *2 (mW/°C) Approx.	Thermal time constant *2 (s) Approx.	Category temp. range (°C)
103FL	10kΩ (at 25°C)	3370K	0.4	1.5	-40 to +350
503FL	50kΩ (at 25°C)				
364FL	7kΩ (at 180°C)				

*1: B-value: determined by zero-power resistance at 25°C and 85°C

*2: in still air