

## Semitec FT Thin Film NTC SMD Thermistor

As one of the world's thinnest NTC temperature sensors, FT micro thin film thermistors outperform conventional thermistors due to their miniature size, very fast response and high temperature rating format.

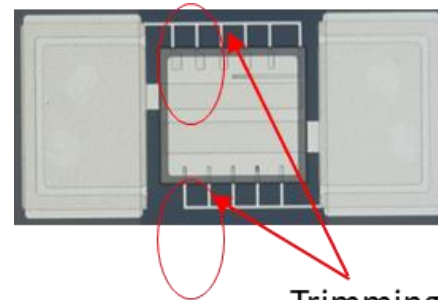
Manufactured using vapour deposition and MEMS technology, they are available in an SMD (FT) format or with axial leads (FL) for ease of mounting.

### Features:

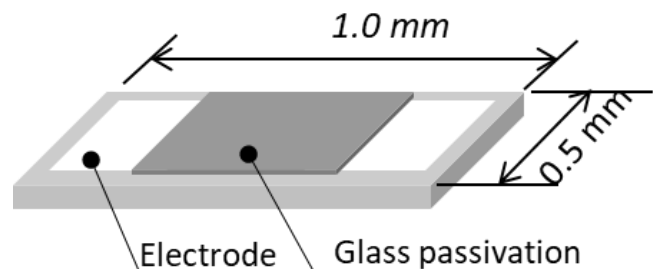
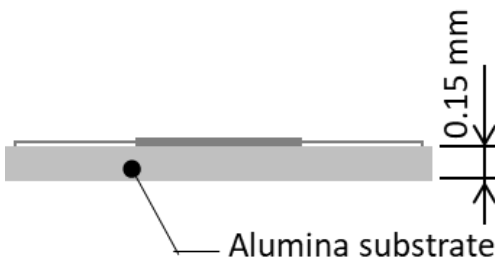
- Temperature Range: -50°C to 350°C
- Extremely thin (< 0.1mm possible)
- Extremely small (see sizes below)
- Temperature resistant to 350°C
- Thin-film NTC technology ensures fast response
- Glass passivation ensures moisture resistance.
- High accuracy laser trimming
- Interchangeable/RT matched versions
- Available on tape and reel.

### Applications:

- 'In-cell' battery applications
- Digital thermometers
- Medical devices
- Office automation
- Security devices
- Personal Care appliances



Trimming points



### Characteristics:

R25 (25°C) Resistance Values:

10kohm, 50kohm, 100kohm, 360kohm

Beta Value (25/85°C):

3370K, 3435K, 3969K

Temperature Accuracy:

±0.1°C (37°C) possible

Standard Chip Size: Imperial (Metric)

0603 (1608), 0402 (1005), 0201 (0603)

For further information please contact us at [sales@atcsemitec.co.uk](mailto:sales@atcsemitec.co.uk)