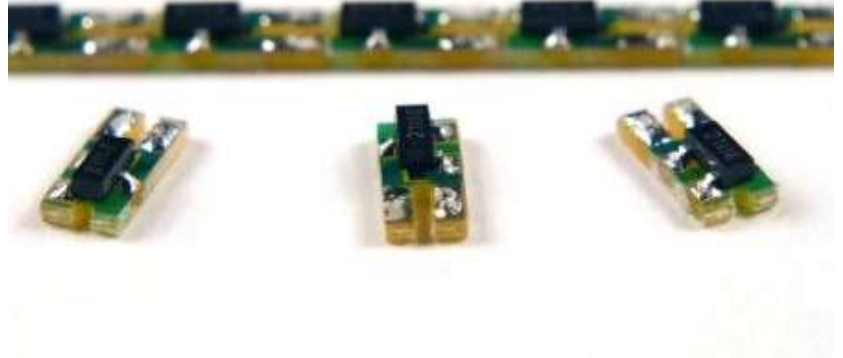


## SKTY – Linear Silicon PTC Sensors

A range of linear PTC Sensors suitable for use up to 150°C. Compatible with other KTY sensors.

### Applications

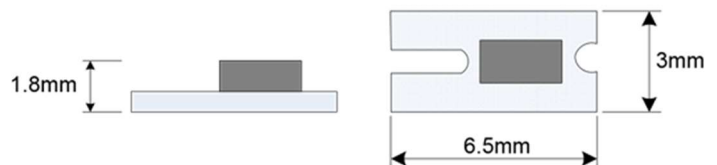
- Air conditioning systems
- Industrial electronics
- Electronics Controllers



### Features

- Fast response
- Accuracy  $\pm 1\%$  at 25°C
- Excellent long-term stability
- Linear Output
- SMD mounted on P.C.B
- Operating range -50°C to +150°C

### Dimensions



Max. Voltage at 25°C (t<10ms) - V <sub>opmax</sub>	25V
Resistance Tolerance (25°C) - ΔR	±1%
Operating temperature range - T <sub>op</sub>	-50/+150°C
Max operating current - I <sub>opmax</sub>	5mA
Peak operating current - I <sub>opp</sub>	7mA

Order Code	R25 (Ω)	R25% Tolerance
SKTY102P-1P	1k	1
SKTY202P-1P	2k	1

**R/T Multiplier** - To find the resistance (R<sub>t</sub>) of a given PTC at a particular temperature (t), multiply its R<sub>25</sub> (Ω) value by the relevant R<sub>t</sub>/R<sub>25</sub> factor below.

Temperature	R <sub>t</sub> /R <sub>25</sub>
0°C	0.80
25°C	1.00
50°C	1.20
70°C	1.40
100°C	1.70

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