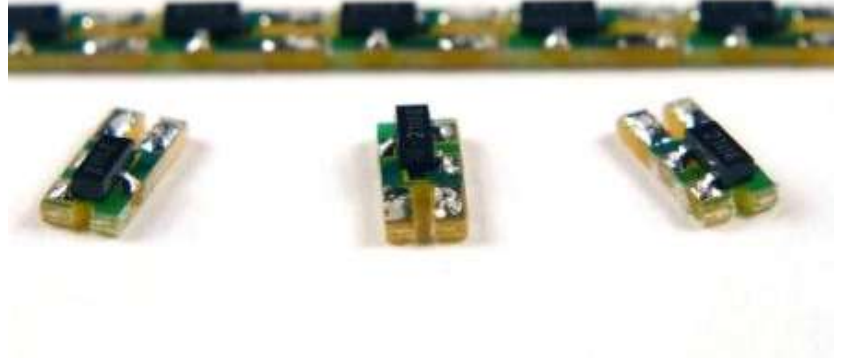


SKTY – Linear Silicon PTC Sensors

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 _{opmax} | 25V |
| Resistance Tolerance (25°C) - ΔR | $\pm 1\%$ |
| Operating temperature range - T _{op} | -50/+150°C |
| Max operating current - I _{opmax} | 5mA |
| Peak operating current - I _{opp} | 7mA |

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

R/T Multiplier - To find the resistance (R_t) of a given PTC at a particular temperature (t), multiply its R₂₅ (Ω) value by the relevant R_t/R₂₅ factor below.

| Temperature | R _t /R ₂₅ |
|-------------|---------------------------------|
| 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