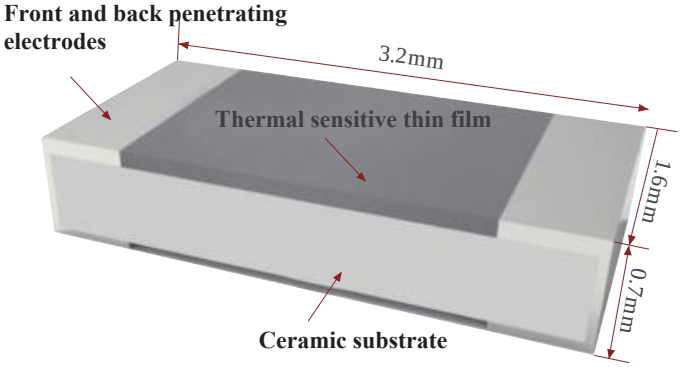


*The nominal resistance measurement point is 8mm away from the component body

## MAIN FEATURES

- SMD type thin film platinum resistor is a universal temperature sensor component with the advantages of small volume, wide temperature measurement range, good long-term stability, and high structural strength.
- Compared to NTC products, SMD thin film platinum resistors have the advantthe advantages of high s strength, high output linearity, good repeatability, and high temperature measurement accuracy.
- Compared to lead type thin film platinum resistors, the cost is significantly reduced, and various welding processes such as tin soldering, reflow soldering, and wave soldering can be used, greatly expanding the application range.
- Widely used in fields such as instrumentation, household appliances, new energy vehicles, and electronic equipment.

## TECHNICAL INDEX

| | |
|---|---|
| Performance parameters | SMD type thin film platinum resistor |
| Lead specifications | 3.2mmx1.6mmx0.7mm |
| R0°C resistance value | 1000Ω |
| Temperature coefficient（TCR） | 3850ppm/°C |
| Measuring range | -50°C~+200°C |
| Long term stability | Drift of R0 ° C within 200 ° C and 1000 hours ≤ 0.04% |
| Welding terminals | Tin alloy terminals |
| Welding method | Reflow soldering or wave soldering, recommended to use high-temperature solder paste, welding temperature 230-240 ° C |

## Resistance temperature characteristics

| Temperature (°C) | Resistance(Ω) | Temperature (°C) | Resistance(Ω) | Temperature (°C) | Resistance(Ω) | Temperature (°C) | Resistance(Ω) |
|---|---|---|---|---|---|---|---|
| -20 | 921.6 | 40 | 1155.41 | 100 | 1385.06 | 160 | 1610.54 |
| 0 | 1000 | 60 | 1232.42 | 120 | 1460.68 | 180 | 1684.78 |
| 20 | 1077.94 | 80 | 1308.97 | 140 | 1535.84 | 200 | 1758.56 |

## REFERENCE SELECTION

| Type | Range of application | Classes | $R_0(\Omega)$ | Temperature range | Accuracy |
|---|---|---|---|---|---|
| Pt1000-SMD 1206-A | -50~+200°C | A | 1000±0.06 | 0~+150°C | ±(0.15+0.002\|T\|) |
| Pt1000-SMD 1206-B | | B | 1000±0.12 | -50~+200°C | ±(0.3+0.005\|T\|) |
| Pt1000-SMD 1206-2B | | 2B | 1000±0.24 | -50~+200°C | ±(0.6+0.01\|T\|) |

Note * : the marked classes and temperature measurement accuracy refer to the IEC60751 standard. T is the measured temperature.