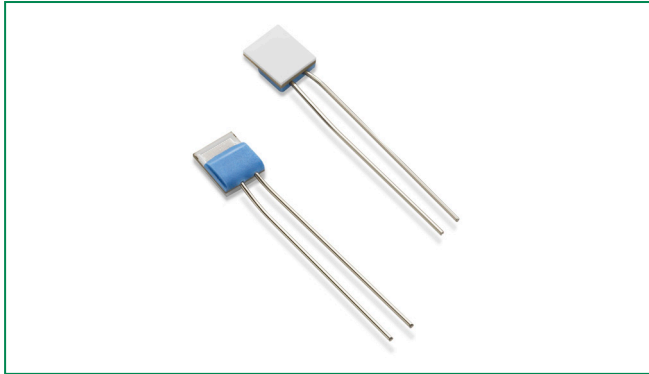


PPGxxxJx Series Thin Film Platinum RTDs

RoHS



Dimensions



Dimensions in inches

| A | B | C | D | E |
|-----------------|-----------------|-----------------|------------|-----------------|
| 0.394" ± 0.079" | 0.091" ± 0.008" | 0.083" ± 0.009" | 0.049" Max | 32 AWG (0.008") |

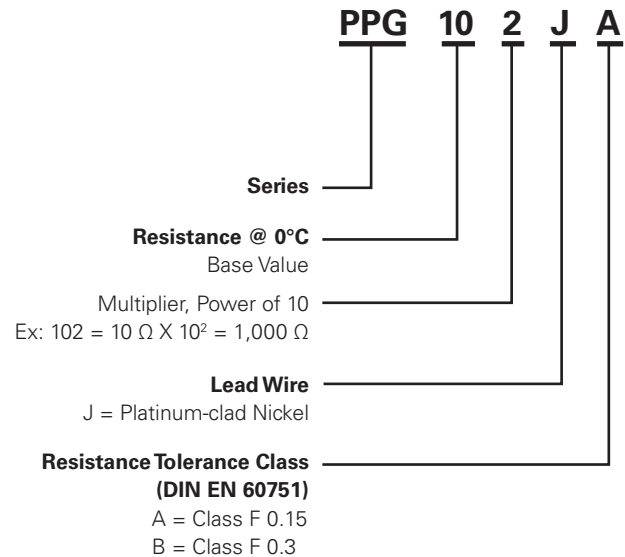
Description

Littelfuse thin film platinum RTDs (Pt-RTD) consist of a passivated thin film platinum element deposited on a ceramic substrate. Thin film Pt-RTDs provide cost advantages when compared to wirewound platinum resistance temperature detectors.

Features

- Glass coated platinum element
- Virtually linear relationship between temperature and resistance
- Capable of withstanding temperatures ranging from -70°C to +500°C.
- Excellent stability even at high temperatures
- High accuracy: Resistance and temperature deviation can be controlled to within ±0.06% and ±0.15°C, a tolerance that corresponds to Class "A" or Class "F 0.15" of DIN EN 60751 (Class A products only)
- High Reliability: Capable of withstanding extreme environmental conditions

Part Numbering System



PPGxxxJx Series Thin Film Platinum RTDs

Specifications

| Part Number | Resistance Ohms @ 0°C | Resistance Tolerance ± % @ 0°C | Temperature Accuracy ± °C @ 0°C | DIN EN 60751 (1996) Class | DIN EN 60751 (2009) Class | TCR ppm/°C | Thermal Time Constant, Max. - 2 m/s Moving Air (seconds) | Temperature Rating (°C) |
|-------------|-----------------------|--------------------------------|---------------------------------|---------------------------|---------------------------|------------|--|-------------------------|
| PPG101JA | 100 | 0.06 | 0.15 | A | F 0.15 | 3,850 | 10 | -70 to +500 |
| PPG101JB | 100 | 0.12 | 0.30 | B | F 0.3 | 3,850 | 10 | -70 to +500 |
| PPG501JA | 500 | 0.06 | 0.15 | A | F 0.15 | 3,850 | 10 | -70 to +500 |
| PPG102JA | 1,000 | 0.06 | 0.15 | A | F 0.15 | 3,850 | 10 | -70 to +500 |
| PPG102JB | 1,000 | 0.12 | 0.30 | B | F 0.3 | 3,850 | 10 | -70 to +500 |

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