

PPGxxxJx Series Thin Film Platinum RTDs

RoHS



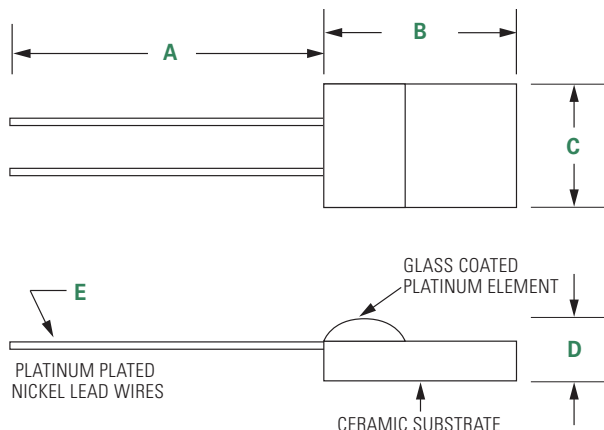
Description

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 $\pm 0.06\%$ and $\pm 0.15^\circ\text{C}$, 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

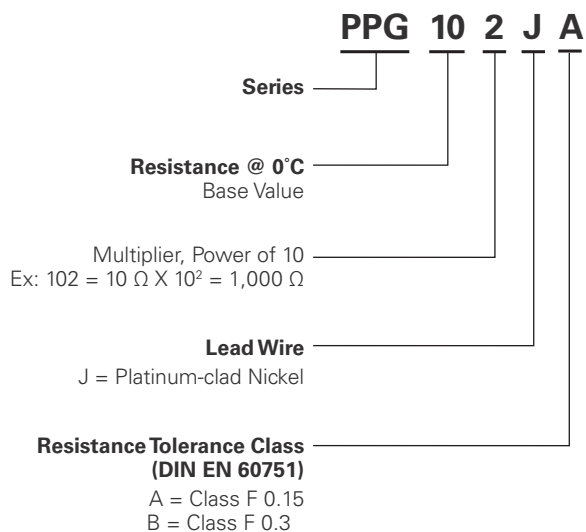
Dimensions



Dimensions in inches.

Part Number	A	B	C	D	E
PPG10xJx	0.394" ± 0.079 "	0.071" ± 0.012 "	0.079" ± 0.012 "	0.043" ± 0.012 "	32 AWG (0.008")
PPG501Jx	0.394" ± 0.079 "	0.087" ± 0.012 "	0.079" ± 0.012 "	0.043" ± 0.012 "	32 AWG (0.008")

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

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/disclaimer-electronics.