

# PPGxxxJx Series Thin Film Platinum RTDs



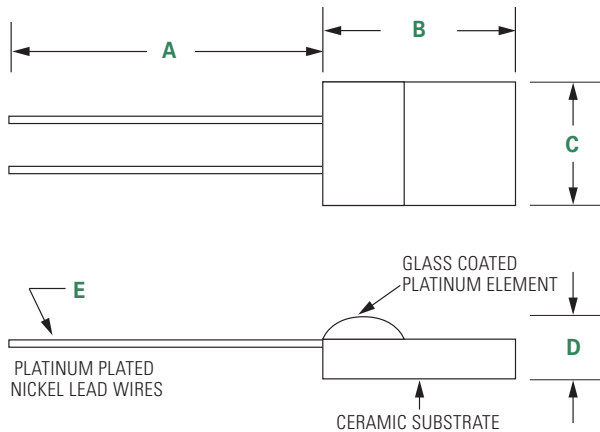
## Description

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, 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

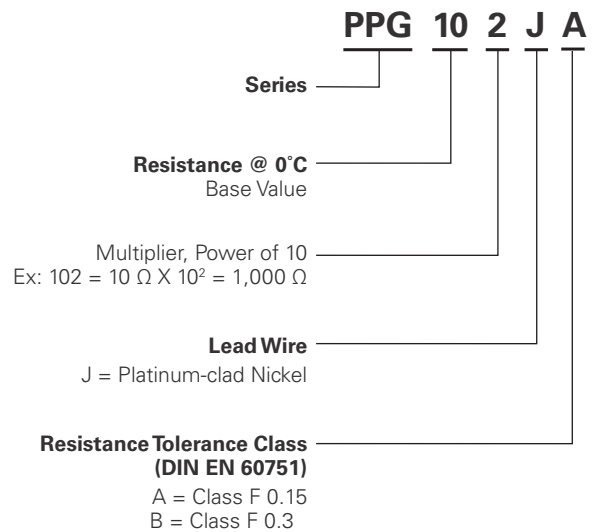
## Dimensions



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



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### 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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