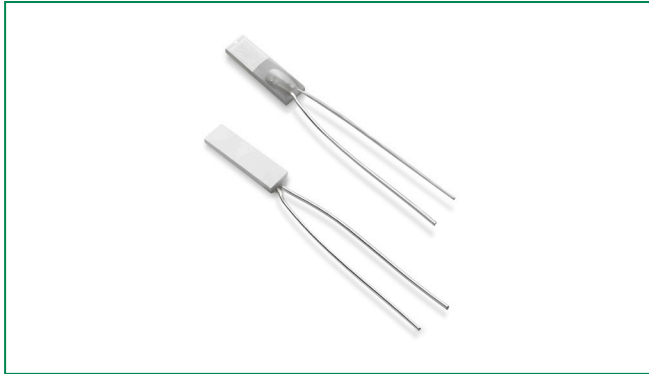
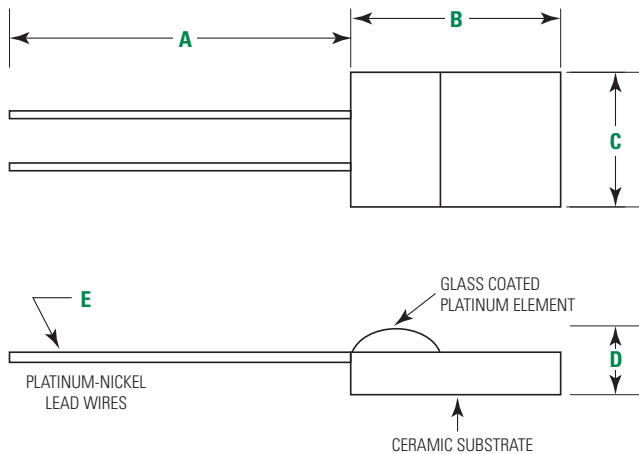


# PPG Series Thin Film Platinum RTDs

RoHS



## Dimensions



Dimensions in inches

A	B	C	D	E
See Specs Table	See Specs Table	See Specs Table	0.045" Max	32 AWG (0.008")

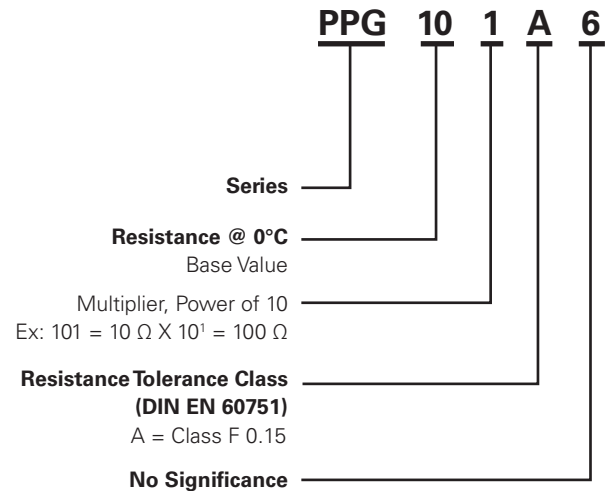
## Description

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 -200°C to +600°C.
- Excellent stability even at high temperatures
- High accuracy: Resistance and temperature deviation can be controlled to within  $\pm 0.06\%$  and  $\pm 0.15^\circ\text{C}$ , 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



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

## PPG Series Thin Film Platinum RTDs

### Specifications

Part Number	Resistance Ohms @ 0°C	Resistance Tolerance ± % @ 0°C	DIN EN 60751 Class	Temperature Dev. ±°C @ 0°C	TCR ppm/°C	Dissipation Constant, Nominal (mW/°C)	Thermal Time Constant, Max. - 1 m/s Moving Air (seconds)	Temperature Rating (°C)	Dimension A	Dimension B	Dimension C
PPG101A6	100	0.06	F 0.15	0.15	3,850	1.8	1.2	-200 to +600	0.394" ± 0.075"	0.0472" ± 0.010"	0.063" ± 0.010"
PPG102A5	1,000	0.06	F 0.15	0.15	3,850	2.2	2	-200 to +600	0.225" Min	0.0315" ± 0.010"	0.1181" ± 0.010"
PPG102A6	1,000	0.06	F 0.15	0.15	3,850	1.8	1.2	-200 to +600	0.394" ± 0.075"	0.0472" ± 0.010"	0.063" ± 0.010"

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](http://www.littelfuse.com/disclaimer-electronics).