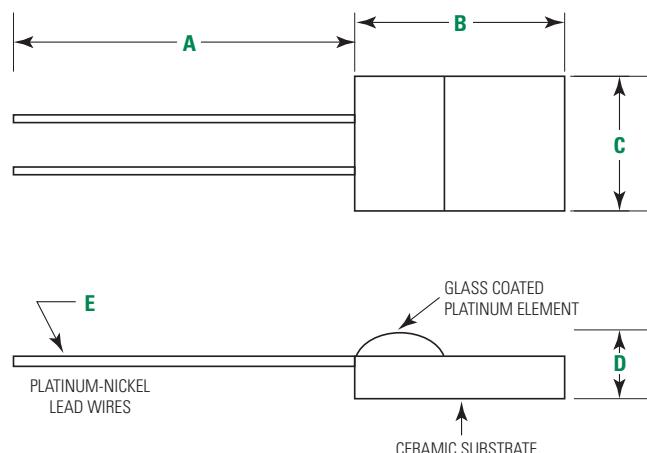


# PPG Series Thin Film Platinum RTDs



## 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")

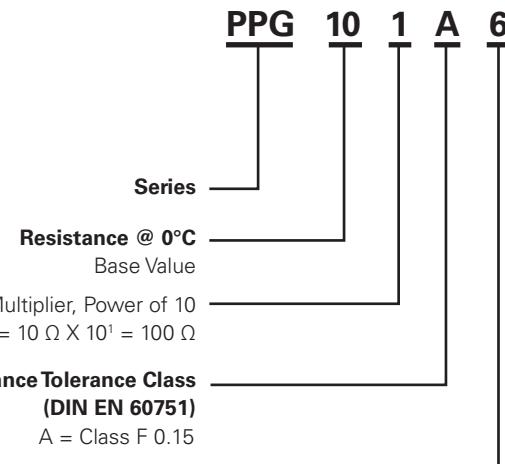
## Description

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"

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