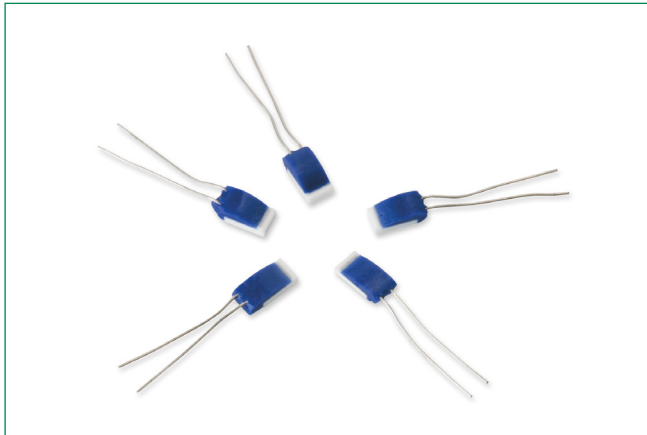
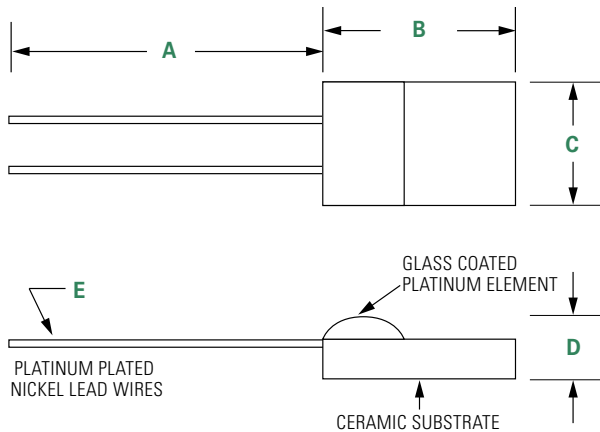


## PPG Series Thin Film Platinum RTDs



### Dimensions



Dimensions shown in inches.

A	B	C	D	E
0.200" Min	See Specs Table	See Specs Table	0.049 Nom	32 AWG (0.008")

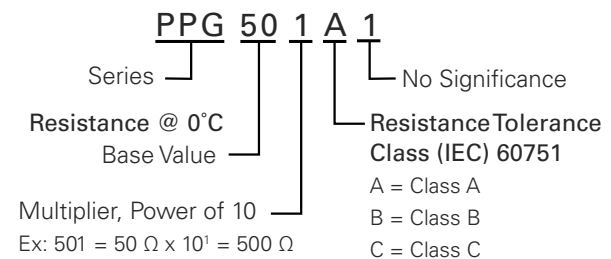
### Description

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 -50°C to +500°C. Higher temperature ratings are available by special order
- 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" of IEC 751 or  $\frac{1}{2}$  DIN of DIN 43760
- High Reliability: Capable of withstanding extreme environmental conditions
- Available in various configurations for specific applications

### Part Numbering System



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

### Specifications

Part Number	Resistance Ohms @0°C	Resistance Tolerance ± % @0°C	DIN 43760 Class	DIN 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 B	Dimension C
PPG101A1	100	0.06	A	—	0.15	3850	2.5	10	-50 to +500	0.110" ± 0.008"	0.067" ± 0.007"
PPG101A6	100	0.06	—	F 0.15	0.15	3850	1.8	1.2	-200 to +600	0.0472" ± 0.010"	0.063" ± 0.010"
PPG101B1	100	0.12	B	—	0.3	3850	2.5	10	-50 to +500	0.110" ± 0.008"	0.067" ± 0.007"
PPG101C1	100	0.24	C	—	0.6	3850	2.5	10	-50 to +500	0.110" ± 0.008"	0.067" ± 0.007"
PPG102A1	1000	0.06	A	—	0.15	3850	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG102A5	1000	0.06	—	F 0.15	0.15	3850	2.2	2	-200 to +600	0.0315" ± 0.010"	0.1181" ± 0.010"
PPG102A6	1000	0.06	—	F 0.15	0.15	3850	1.8	1.2	-200 to +600	0.0472" ± 0.010"	0.063" ± 0.010"
PPG102B1	1000	0.12	B	—	0.3	3850	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG102B2	1000	0.12	B	—	0.3	3750	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG102C1	1000	0.24	C	—	0.6	3850	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG102C2	1000	0.24	C	—	0.6	3750	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG501A1	500	0.06	A	—	0.15	3850	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG501B1	500	0.12	B	—	0.3	3850	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"
PPG501C1	500	0.24	C	—	0.6	3850	2	15	-50 to +500	0.118" ± 0.008"	0.079" ± 0.007"

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[PPG102A6](#) [PPG102B1](#) [PPG101A6](#) [PPG101C1-RD](#) [PPG101A1-RD](#) [PPG501C1-RD](#) [PPG102A1-RD](#) [PPG102B1-RD](#)  
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