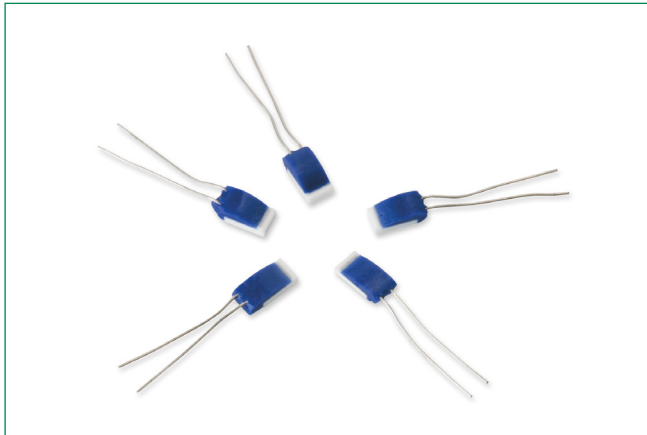
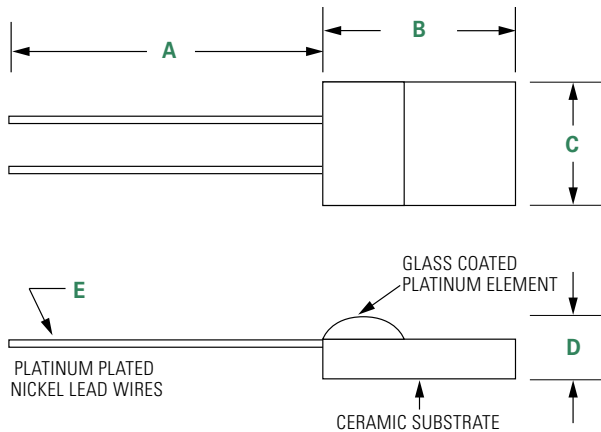


PPG Series Thin Film Platinum RTDs



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")

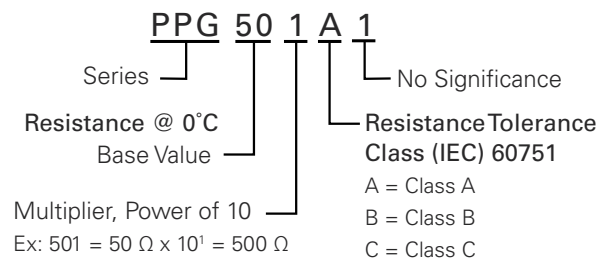
Description

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"

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