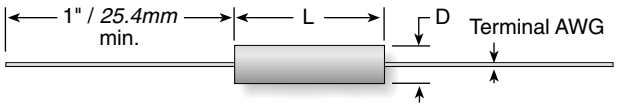
P Series

Epoxy Molded Precision Wirewound Axial Terminals



Series	Wattage	Diam. (in./*mm*)	Length (in./*mm*)	Lead ga.
PE	0.125	0.125 / *3.18*	0.250 / *6.35*	22
PF	0.250	0.187 / *4.75*	0.375 / *9.53*	22
PA	0.500	0.250 / *6.35*	0.500 / *12.7*	22
PG	0.750	0.250 / *6.35*	0.750 / *19.1*	20
PB	0.900	0.375 / *9.53*	1.000 / *25.4*	20
PC	1.500	0.375 / *9.53*	1.000 / *25.4*	20
PD	2.000	0.500 / *12.7*	1.500 / *38.1*	20

ORDERING INFORMATION

E = RoHS compliant

P A F 1 0 0 0 R E

P Series	Wattage	Tolerance	Resistance
	E = 0.125W	Z = 0.005%	1R000 = 1Ω
	F = 0.25W	T = 0.010%	10R00 = 10Ω
	A = 0.5W	Q = 0.020%	100R0 = 100Ω
	G = 0.75W	A = 0.050%	1000R = 1000Ω
	B = 0.9W	B = 0.100%	10K00 = 10KΩ
	C = 1.5W	C = 0.250%	100K0 = 100KΩ
	D = 2.0W	D = 0.500%	1M000 = 1MΩ
		F = 1.000%	

Check product availability at **www.ohmite.com**

Ohmite's P Series Epoxy molded Precision Wirewound Resistors are designed to meet the exacting requirements of Military Specification MIL-R-93. The P Series offers high stability and low Temperature Coefficient of Resistance (TCR). These resistors offer tolerances as accurate as ±0.005% and Temperature Coefficients of Resistance (TCR) as low as ±2PPM/°C in a wide range of resistance values.

FEATURES

- Wide Range of Precise Tolerances (±0.005% to ±1%).
- Low Inductance.
- RoHS Compliant.
- Axial configuration convenient for PCB and hard wiring applications.

SPECIFICATIONS

Material

Terminals: Tinned Copper

Encapsulation: Silicone Molding Compound

Electrical

Resistance range: 1Ω to 15MΩ

Standard Tolerances: 0.005%, 0.01%, 0.02%, 0.05%, 0.1%, 0.25%, 0.5%, and 1%

Temperature Coefficient of Resistance, 0°C to 85°C:
1Ω to <10Ω: ±25 PPM/°C
10 Ω to <100Ω: ± 15 PPM/°C
≥100Ω: ±10 PPM/°C

Operating Temperature Range: -65°C to 145°C

Temperature Compensating TCR: from +80 through +6000 PPM

TCR Matching: to ±0.5 PPM/°C at 25°C

DERATING

P Series Resistors must be derated for tolerances below 0.1% and for elevated ambient temperatures. Choose the curve corresponding to the desired tolerance. Determine the maximum allowed percentage of rated power from the graph based on the maximum ambient temperature expected during use.