

100 Series / SM Series / PC Series

Precision Wirewound Resistors



SPECIFICATIONS (continued)

PC Series

Type	Commercial Wattage (Watts)	Maximum Ohms	Minimum Tolerance ¹ (%)	Dimensions				Maximum Working Voltage
				Diameter ±0.005" [±0.13mm]	Length ±0.025" [±0.64mm]	Lead Diameter ² ±0.002" [±0.05mm]	Lead Spacing ±0.015" [±0.4mm]	
110PC	0.05	75k	0.005	0.130 [3.3]	0.200 [5.1]	0.016 [0.4]	0.075 [2.5]	150
100PC	0.125	500k		0.250 [6.4]	0.375 [9.5]	0.025 [0.6]	0.150 [3.8]	150
130PC	0.125	500k		0.250 [6.4]	0.312 [7.9]	0.025 [0.6]	0.150 [3.8]	150
131PC	0.125	500k		0.250 [6.4]	0.312 [7.9]	0.025 [0.6]	0.200 [5.1]	150
101PC	0.25	600k		0.250 [6.4]	0.500 [12.7]	0.025 [0.6]	0.150 [3.8]	150
120PC	0.40	800k		0.375 [9.5]	0.500 [12.7]	0.032 [0.8]	0.200 [5.1]	300
104PC	0.50	1M		0.500 [12.7]	0.500 [12.7]	0.032 [0.8] 0.025 [0.6]	0.300 [7.6]	400



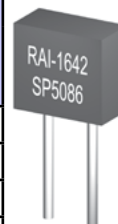
¹May not apply for all wire types. Please call factory.

²Where more than one lead is listed / the top value is Standard

Lead Length = 1.00 [25] Min.

Rectangular Series

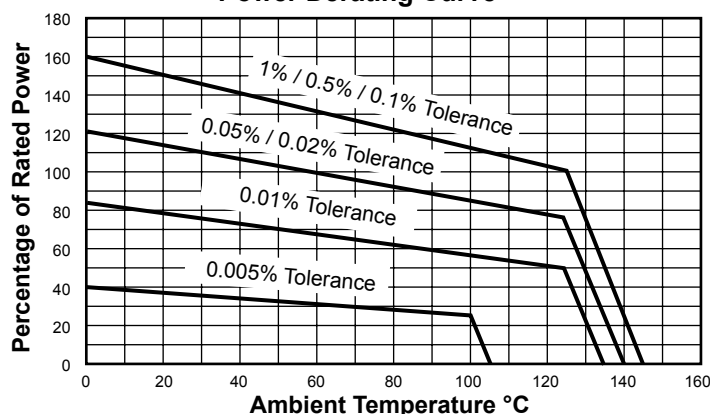
Type	Commercial Wattage (Watts)	Maximum Ohms	Dimensions					Maximum Working Voltage
			Width ±0.010" [±0.25mm]	Height ±0.025" [±0.64mm]	Length ±0.010" [±0.25mm]	Lead Diameter ¹ ±0.002" [±0.05mm]	Lead Spacing ±0.015" [±0.4mm]	
SM-8	0.125	500k	0.140 [3.6]	0.250 [6.4]	0.270 [6.9]	0.032 [0.8]	0.125 [3.2]	150
SM-9	0.250	750k	0.150 [3.8]	0.270 [6.9]	0.540 [13.7]	0.032 [0.8]	0.250 [6.4]	150
SP5086	0.300	500k	0.102 [2.6]	0.320 [8.1]	0.300 [7.6]	0.025 [0.6]	0.150 [3.8]	150
SP5232	0.500	1M	0.160 [4.1]	0.525 [13.3]	0.585 [14.9]	0.032 [0.8]	0.400 [10.2]	150



¹Lead Length = 1.00 [25] Min.

Specification	Value
Tolerances	±0.005% to ±1% (See Derating Curve)
Temperature Coefficient (Standard) (down to 1ppm on request)	>100Ω : ±10ppm/°C 10Ω to 100Ω : ±20ppm/°C <10Ω : ±30ppm/°C
Temperature Range	-55°C to +145°C (See Derating Curve)

Power Derating Curve



Notes: (Contact Factory for these options)

Fast Rise Time - These resistors are available in a low reactance design for fast rise time and extended frequency response.

High Stability - These resistors are available in a High Stability version with maximum resistance change of ±20ppm/year under normal conditions.

Wide TCR Range - These resistors are available in Low and High TC configurations from -20ppm/K to +6000ppm/K.