

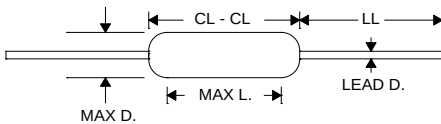


PR-SERIES

ULTRA PRECISION METAL FILM RESISTORS

PRECISION RESISTIVE PRODUCTS, INC.
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PRP HOME PAGE <http://www.prpinc.com>

- Low Temperature Coefficients
- Tight Tolerances
- High Stability
- Low Noise



Dimensions inches

Style	Max. L.	Max. Dia.	CL to CL	Lead Dia.	Lead Length
PR1/20B	.170	.072	.200	.020 AWG #24	1.25 ±.065
PR1/10	.280	.102	.300	.025 AWG #22	1.50 ±.125
PR1/8A	.280	.102	.300	.025 AWG #22	1.50 ±.125
PR1/8	.416	.161	.450	.025 AWG #22	1.50 ±.125
PR1/3S	.416	.161	.450	.025 AWG #22	1.50 ±.125
PR1/4A	.416	.161	.450	.025 AWG #22	1.50 ±.125
PR1/4	.600	.200	.685	.025 AWG #22	1.50 ±.125

Specifications

Style	Resistance Range (Ω)	Resistance Tolerances @25°C	Wattage Rating @85°C	Voltage Rating
PR1/20B	10R-300K	1.0%, 0.5%, 0.25%, 0.1%, 0.05%, 0.02%, 0.01%	1/20	200V
PR1/10	10R-500K		1/10	300V
PR1/8A	10R-500K		1/8	300V
PR1/8	10R-1M		1/8	400V
PR1/3S	10R-1M		1/3	400V
PR1/4A	10R-1M		1/4	400V
PR1/4	50R-1.5M		1/4	500V

Operating Temperature Range -55°C to 155°C

* (100ohms-100K) Ref: EIA RS-186 (where applicable)

Typical Performance *	%ΔR	Typical Performance *	%ΔR
1000 Hr. Load Life at 85°C	±0.02	Dielectric Withstanding	±0.01
Humidity	±0.04	Noise Index	<-30dB
Thermal Shock	±0.01	Insulation	>10000 M Ω
Short Time Overload	±0.01	Shelf Life	<50 PPM/Yr.

Add "T" at the end of the Style portion of the part number for lead free termination.

How to Order
Sample Part
PR1/8A TC10 1K ±0.1%
Style Temp. Coef. Resistance Value Tolerance

Temperature Coefficients

TC25 = 0±25 PPM/°C -20 TO +85°C
TC20 = 0±20 PPM/°C -20 TO +85°C
TC15 = 0±15 PPM/°C -20 TO +85°C
TC10 = 0±10 PPM/°C -20 TO +85°C
TC 5 = 0±5 PPM/°C -20 TO +85°C
TC 2**= 0±2 PPM/°C 0 TO +60°C

** Not available for the PR1/20B style.

Lead Material

OFHC with 60/40 Tin/Lead Coating
or OFHC Tin Coating



Matched Sets and Networks

Customized resistance and temperature coefficient matching are available. Resistance matching to .01% and T.C. tracking of 1PPM/°C are standard. Please consult the factory for details on your requirements. Packaging is lead tape and reel or ammo-pack per EIA Standard RS-296. Bulk packaging is also available.