

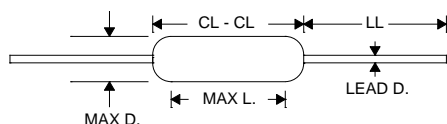


PR-SERIES

ULTRA PRECISION METAL FILM RESISTORS

PRECISION RESISTIVE PRODUCTS, INC.
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- Low Temperature Coefficients
- Tight Tolerances
- High Stability
- Low Noise



How to Order
Sample Part
PR1/8A TC10 1K ±0.1%

Style Temp. Coef. Resistance Value Tolerance

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

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.

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.