

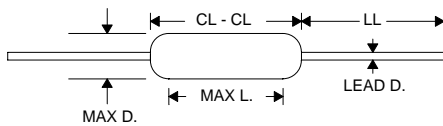


PR-SERIES

ULTRA PRECISION METAL FILM RESISTORS

PRECISION RESISTIVE PRODUCTS, INC.
202 MACK LANE, MEDIAPOLIS, IA 52637
(319)394-9131 FAX (319)394-9280
E-Mail info@prpinc.com
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 | .400 | .150 | .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

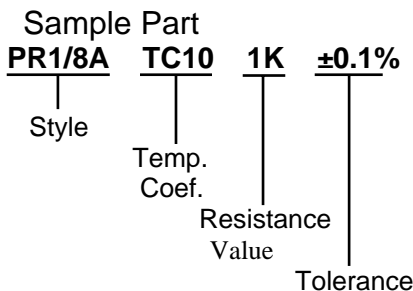
| Style | Resistance Range (Ω) | Resistance Tolerances @25°C | Wattage Rating @85°C | Voltage Rating |
|---------|----------------------|---|----------------------|----------------|
| PR1/20B | 10R-300K | 1.0%, 0.5%, 0.25%, 0.1%, 0.05%, 0.02%, 0.01% | 1/20 | 200V |
| PR1/10 | 10R-500K | | 1/10 | 300V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

How to Order



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

[Standard Decade Values](#)

[Color Codes](#)

[Packaging](#)

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 -20 TO +85°C

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.