



PRD-SERIES

SIP NETWORK VOLTAGE DIVIDERS

PRECISION RESISTIVE PRODUCTS, INC.
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- High Stability
- Low TC
- Tight Tolerance
- 0.005% Matching and 1 PPM/°C Tracking Available
- Rugged Construction

Dimensions inches

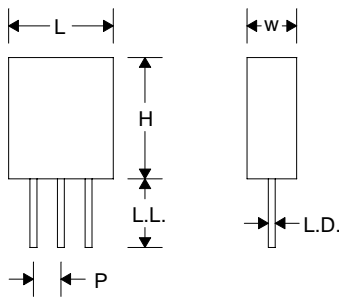
Style	H	L	W	P	L. D.	L. L.
PRD	.440	.380	.180	.100	.025	.250

Specifications

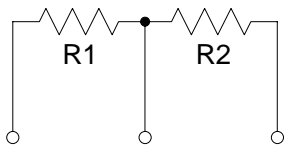
Style		PRD
Power Rating / Element		.1W
Nominal Resistance Value		50R – 500K
Max. Operating Voltage		300V
Resistance Tolerance @ 25°C	Absolute Tolerance	±1.0% to ±0.01%
	Matching	±1% to ±0.005%
Temperature Coefficient of Resistance	Absolute TCR	±100 PPM thru ±5PPM/°C
	Tracking TCR	50PPM to 1PPM/°C

Operating Temperature Range -55°C to 155°C

Ref: EIA RS-186 (where applicable)



Schematic Diagram



Typical Performance (100ohms-100K)	%ΔR	Typical Performance (100ohms-100K)	%ΔR
1000 Hr. Load Life at 85°C	±0.02	Dielectric Withstanding	<0.01
Humidity	±0.04	Noise	<-30dB
Thermal Shock	<0.01	Insulation Resistance	>10000MΩ
Short Time Overload	<0.01	Shelf Life	<50 PPM/Yr.
Effects of Solder	<0.01		

Lead Material

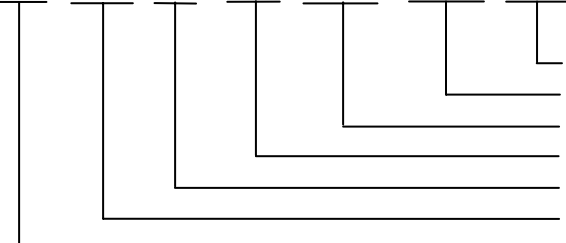
OFHC with 60/40 Tin/Lead
Coating or OFHC with Tin Coating

[Standard Decade Values](#)

How to Order

[Packaging](#)

Sample Part
PRD TC25 1K / 10K ±0.1% 5PPM .01%



Tolerance Tracking
TCR Tracking
Resistance Tolerance
R2 Resistance Value
R1 Resistance Value
TCR
Style

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

