

# PRODUCT BULLETIN

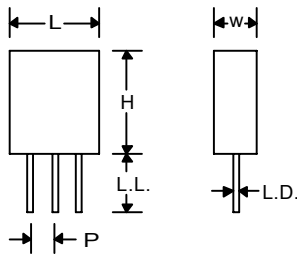


## PRD - SERIES

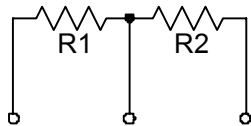
### SIP NETWORK VOLTAGE DIVIDERS

WILLOW TECHNOLOGIES LTD.  
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- HIGH STABILITY
- LOW TC
- TIGHT TOLERANCE
- 0.005% MATCHING AND 1 PPM/°C TRACKING AVAILABLE
- RUGGED CONSTRUCTION



Schematic Diagram



Dimensional Correlation

in.	mm
.025	.64
.100	2.54
.180	4.57
.250	6.35
.380	9.65
.440	11.18



DEDICATION TO EXCELLENCE

### Dimensions (max)

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

### Specifications

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

### Typical Performance

Ref: EIA RS-186 (where applicable)	100 ohms - 100K	% $\Delta R$
1000 Hr. Load Life 85°C	±0.02	<.01
Humidity	±0.04	<.01
Thermal Shock	<.01	<-30dB
Short Time Overload	<.01	>10000 M. OHM
		<50 PPM/YR.

### How to Order

Sample Part Number

PRD TC25 1K / 10K ±0.1% 5PPM .01%

