



# SMR-SERIES

## PRECISION SURFACE MOUNT RESISTORS

PRECISION RESISTIVE PRODUCTS, INC.  
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 E-Mail [info@prpinc.com](mailto:info@prpinc.com)  
 PRP HOME PAGE <http://www.prpinc.com>

- Small Size
  - Low TC
  - High Stability
  - Molded Construction
  - Small Quantities
  - Custom Values
  - Matched Sets
  - Bulk or Tape & Reel
- Packaging

### Dimensions inches

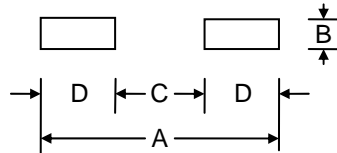
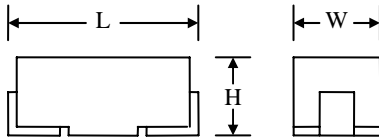
Style	H	L	W	Pad Width	Pad Length
SMR 50	0.080	0.180	0.080	0.040	0.045
SMR 55	0.120	0.300	0.125	0.060	0.060

### Specifications

Style	Temperature Coefficient ♦	Resistance Range (ohms)	Standard Tolerance	Wattage @ 85°C
SMR 50	25 PPM/°C	10Ω thru 100KΩ	1%, .5% .25%, .10% & .05%	1/10
	20			
	15			
	10			
	5			
SMR 55	25 PPM/°C	10Ω thru 500KΩ	1%, .5% .25%, .10% .05%, .02% & .01%	1/8
	20			
	15			
	10			
	5			

♦ PPM/°C -20°C to +85°C

**Operating Temperature Range -55°C to 125°C**



### Pad Layout

Style	A	B	C	D
SMR 50	0.280"	0.050"	0.090"	0.095"
SMR 55	0.400"	0.070"	0.180"	0.110"

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

Typical Performance *	%ΔR	Typical Performance *	
1000 Hr. Load Life at 70°C	±0.02	Insulation	>10000 M
Humidity	±0.04	Noise Index	< -30dB
Thermal Shock	<0.01	Voltage Coefficient	< .01 PPM / V
Short Time Overload	<0.01	Shelf Life	< 50 PPM / YR

### Lead Material

OFHC with 60/40 Tin/Lead Coating



DEDICATION TO EXCELLENCE

### How to Order

Sample Part Number

**SMR 50 TC5 100K ±0.05%**

[Standard Decade Values](#)

[Packaging](#)

**Resistance Tolerance**  
**Resistance Value**  
**Temperature Coefficient**  
**Style**

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