



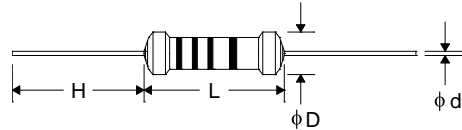
PR9534-SERIES

MINIATURE METAL FILM RESISTOR

PRECISION RESISTIVE PRODUCTS, INC.
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 (319)394-9131 FAX (319)394-9280
 E-Mail info@prpinc.com
 PRP HOME PAGE <http://www.prpinc.com>

Features:

- High Alumina Ceramic Rods
- Resistance Range 10R thru 1M
- Temperature Coefficients of ± 10 , ± 25 , ± 50 & ± 100 ppm/°C
- Tolerance $\pm 1\%$
- Miniature Size for less PCB space
- Packaging is Bulk or Tape and Reel



Dimensions Inches (mm)

Style	L	ϕD	ϕd	H(min)
PR9534-04	0.146 \pm 0.16 (3.7 \pm 0.4)	0.067 \pm 0.008 (1.7 \pm 0.2)	0.018 \pm 0.002 (0.45 \pm 0.05)	1.063 (27)
PR9534-06	0.256 \pm 0.020 (6.5 \pm 0.5)	0.091 \pm 0.008 (2.3 \pm 0.2)	0.020 \pm 0.002 (0.50 \pm 0.05)	1.063 (27)
PR9534-10	0.256 \pm 0.020 (6.5 \pm 0.5)	0.091 \pm 0.008 (2.3 \pm 0.2)	0.022 \pm 0.002 (0.55 \pm 0.05)	1.063 (27)
PR9534-20	0.394 \pm 0.039 (10.0 \pm 1)	0.138 \pm 0.020 (3.5 \pm 0.5)	0.030 \pm 0.002 (0.75 \pm 0.05)	0.984 (25)
PR9534-30	0.630 \pm 0.039 (16.0 \pm 1)	0.217 \pm 0.020 (5.5 \pm 0.5)	0.030 \pm 0.002 (0.75 \pm 0.05)	0.984 (25)

Specification

Style	Rated Power @70°C	Working Voltage(max)	Overload Voltage(max)	Resistance Range *
PR9534-04	0.4W	200V	350V	10 Ω - 1M Ω
PR9534-06	0.6W	300V	500V	10 Ω - 1M Ω
PR9534-10	1W	300V	500V	10 Ω - 1M Ω
PR9534-20	2W	350V	700V	10 Ω - 1M Ω
PR9534-30	3W	350V	700V	10 Ω - 1M Ω

*Ohmic values beyond 10 Ω - 1M Ω and closer tolerances up to 0.1% may be available upon request. Consult factory.

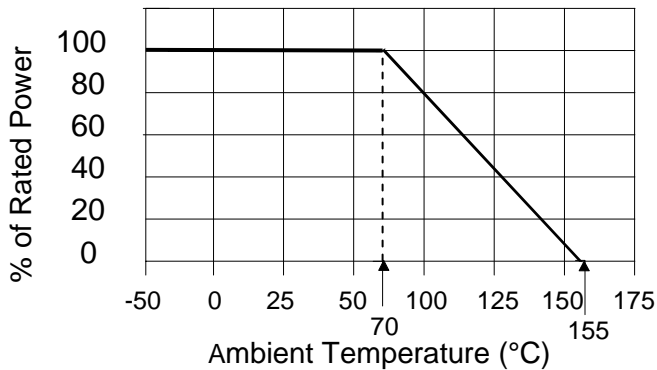


Performance Data

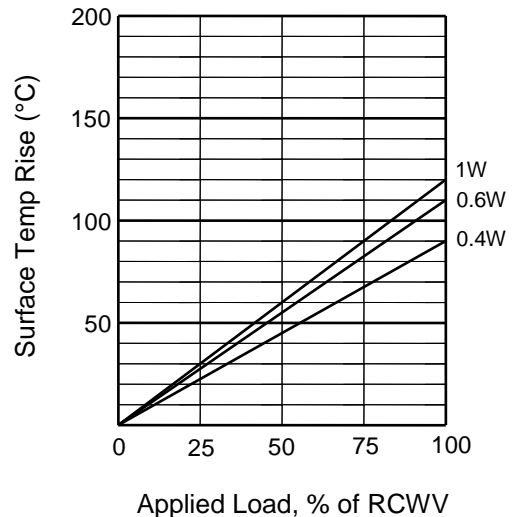
Requirements	Performance	Test Method
Short Time Overload	±0.5%	2.5x Rated Voltage, at most 2 times limiting element voltage(U Max)
Resistance to Soldering Heat	±0.5%	Temp. 350°C ±5°C to 6mm distance from the resistance body in 3 sec.
Thermal Shock	±0.5%	-55°C to +155°C
Load Life	±0.5%	Rated Voltage at 70°C ambient Duration: 1000 hrs
Vibration	±0.25%	
Moisture Resistance	±1.5%	40°C 95% RH 1000 hrs.
Solderability	>95% Coverage	Dip Method, Solder Bath Temp. 260°C ±5°C Duration 2.5 sec.
Insulation Resistance	>10 MΩ	100Vdc
Resistance to Solvent	No failure to top coating and color code	
Low Temp. Operation	±0.5%	-65°C
Damp Heat Steady State	±1%	56 days at 40°C and 95% RH humidity at a voltage of 0.1 x rated voltage. Max. 16 volts
Current Noise	Up to 1MΩ ≤0.5uV/V	-5dB
Vibration	±0.25%	
Dielectric Withstanding Voltage	300 Vrms for PR9534-04 500 Vrms for PR9534-06 & -10	

Derating Curve

For resistors operated in ambient above 70°C, power dissipation must be derated in accordance with curve in the graph below.



Hot Spot Temperature



How to Order

