



PR9478-SERIES

ULTRA LOW OHM METAL STRIP CHIP RESISTOR

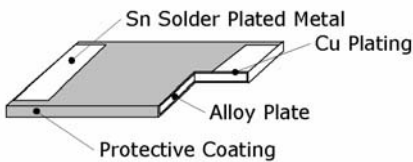
PRECISION RESISTIVE PRODUCTS, INC.
202 MACK LANE, MEDIAPOLIS, IA 52637
(319)394-9131 FAX (319)394-9280
E-Mail info@prpinc.com
PRP HOME PAGE <http://www.prpinc.com>

Features:

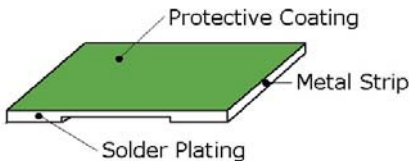
- Standard Industry Case Sizes
1206, 2010 & 2512
- Very Low Inductance
- Custom Resistance Values Available
- Packaging is Tape & Reel
2,000 pcs Embossed Plastic Tape
- Wattage Rating up to 3W
- Low TC (± 50 to ± 150)
- Values from 0.5 mohms to 22 mohms

Applications:

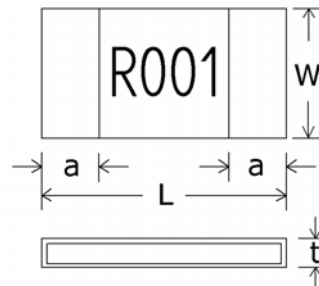
- Power Supplies
- Feed Back
- Motor Controls
- Battery Power Detection



Configuration B



Configuration G



Dimensions

Inches (mm)

[Suggested Pad Layouts](#)

Style	L	W	t (min)	a (min)
PR9478 1206	0.126 \pm 0.010 (3.2 \pm 0.25)	0.063 \pm 0.004 (1.6 \pm 0.10)	0.024 \pm 0.008 (0.60 \pm 0.20)	0.039 \pm 0.015 (0.98 \pm 0.38)
PR9478 2010	0.200 \pm 0.010 (5.08 \pm 0.25)	0.100 \pm 0.006 (2.54 \pm 0.15)	0.024 \pm 0.008 (0.60 \pm 0.20)	0.066 \pm 0.025 (1.67 \pm 0.63)
PR9478 2512	0.250 \pm 0.010 (6.35 \pm 0.25)	0.125 \pm 0.010 (3.18 \pm 0.25)	0.018 \pm 0.006 (0.45 \pm 0.15)	0.051 \pm 0.012 (1.30 \pm 0.30)

Temperature Coefficient / Resistance Tolerance

Style	T.C.R. PPM/ $^{\circ}$ C	Resistance Range (m Ω)	Resistance Tolerance @25 $^{\circ}$ C	Rated Power (W)
PR9478 1206	50	1 to 10	$\pm 1\%$, $\pm 3\%$, $\pm 5\%$	1
PR9478 2010	50	1 to 10	$\pm 1\%$, $\pm 3\%$, $\pm 5\%$	1.5
PR9478 2512	50, 75, 100, 150	0.5 to 22	$\pm 1\%$, $\pm 3\%$, $\pm 5\%$	1, 2, 2.5 or 3



DEDICATION TO EXCELLENCE

Performance Data

Requirements	Performance	Test Method
Short Time Overload	±0.5%	JIS-C-5202-5.5
Resistance to Soldering Heat	±1.0%	MIL-STD-202F, Method 210E
Thermal Shock	±0.5%	MIL-STD-202F, Method 107G
Load Life	±1.0%	MIL-STD-202F, Method 108A
Resistance to Dry Heat	±1.0%	JIS-C-5202-7.2
Temperature Coefficient	As Specifications	MIL-STD-202F, Method 304
Solderability	95% Min. Coverage	MIL-STD-202F, Method 208H

Derating Curve

For resistors operated in ambient above 80°C, power dissipation must be derated in accordance with curve in Figure 1.

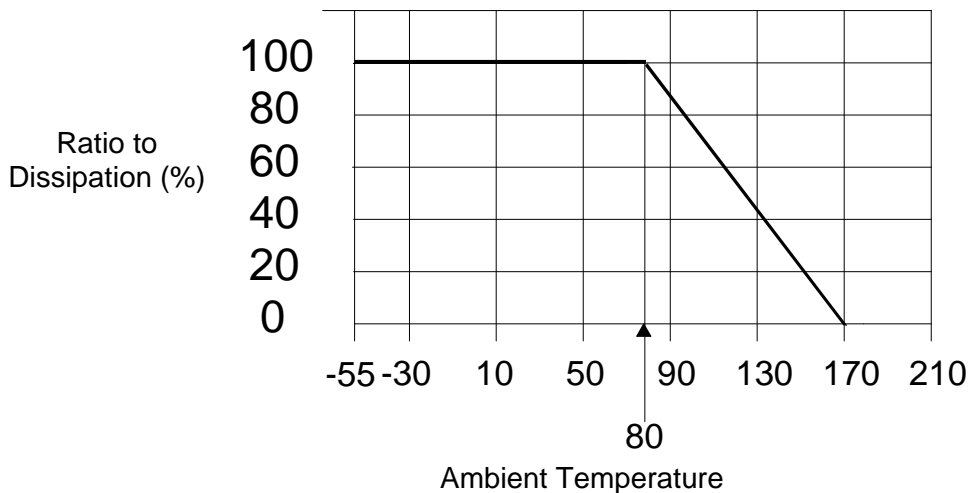
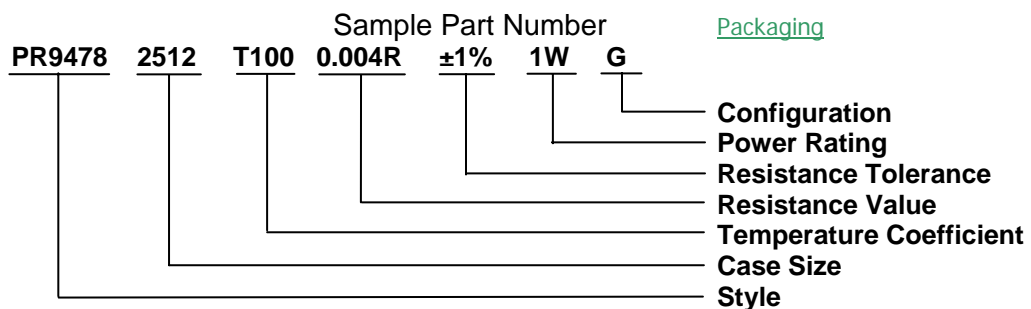


Figure 1

How to Order



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