



WW-SERIES

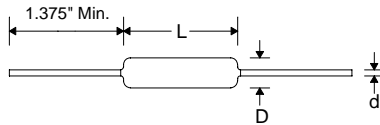
FLAMEPROOF WIREWOUND RESISTORS

- 1/2 Watt Thru 10 Watt
- 0.1% Thru 10% Tolerance @ 25°C
- Flame Proof Silicone Coating
- High Purity Ceramic Core
- Stainless Steel End Caps
- Tinned Copper Clad Steel Leads
- Welded Construction
- Packaged Tape & Reel or Bulk
- All Sizes Available in Tape & Reel Except WW7, WW10 & WW10A
- Available in Non-Inductive Style
- Meets Requirements for MIL-R-26

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>

Specifications

PRP Style	Wattage		Resistance Range		Voltage	
	U	V	Standard	Non-Inductive *	U	V
WW1/2	.75	1.0	0.1Ω to 1.5KΩ	5Ω to 750RΩ	32	44
WW1	1.0	1.5	.05Ω to 5.0KΩ	5Ω to 2.5KΩ	44	54
WW1A	1.0	1.5	0.1Ω to 5.0KΩ	5Ω to 2.5KΩ	44	54
WW2	2.0	2.6	.02Ω to 7.2KΩ	-----	65	77
WW3	3.0	3.6	.01Ω to 9.5KΩ	5Ω to 4.5KΩ	130	147
WW3A	3.0	3.7	.05Ω to 11KΩ	5Ω to 5KΩ	130	150
WW4	4.0	5.0	0.1Ω to 24KΩ	5Ω to 12KΩ	210	250
WW4B	4.0	5.0	0.1Ω to 14KΩ	-----	210	250
WW5	5.0	6.5	.01Ω to 42KΩ	5Ω to 20KΩ	360	410
WW7A	7.0	8.0	0.1Ω to 63KΩ	5Ω to 30KΩ	490	530
WW7	7.0	8.0	.05Ω to 80KΩ	-----	560	600
WW10A	10.0	11.0	0.1Ω to 92KΩ	-----	632	700
WW10	10.0	12.5	.05Ω to 100KΩ	-----	700	750



Temperature Coefficient

TC20 = ±20 PPM/°C, 10 ohm and above
 TC50 = ±50 PPM/°C, 1 ohm – 9.9 ohm
 TC90 = ±90 PPM/°C, Below 1 ohm

Dimensions

* Non-Inductive Resistors 1% thru 10% Tolerance

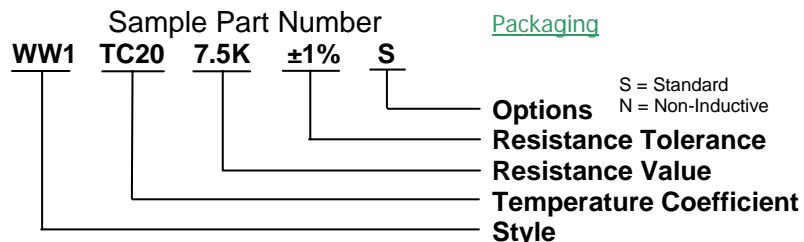
PRP Style	Dimensions Inches(mm)		
	L	D	Lead Dia. (d)
WW1/2	.266 ±.015 (6.76 ±0.38)	.095 ±.015 (2.41 ±0.38)	.025 ±.004 (0.64 ±0.10)*
WW1	.375 ±.030 (9.53 ±0.76)	.135 ±.030 (3.43 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW1A	.400 ±.030 (10.16 ±0.76)	.100 ±.030 (2.54 ±0.76)	.025 ±.004 (0.64 ±0.10)*
WW2	.460 ±.030 (11.68 ±0.76)	.175 ±.030 (4.45 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW3	.490 ±.030 (12.45 ±0.76)	.210 ±.030 (5.33 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW3A	.560 ±.030 (14.22 ±0.76)	.175 ±.030 (4.45 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW4	.770 ±.030 (19.56 ±0.76)	.260 ±.030 (6.60 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW4B	.550 ±.030 (13.97 ±0.76)	.220 ±.030 (5.59 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW5	.910 ±.030 (23.11 ±0.76)	.295 ±.030 (7.49 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW7A	1.250 ±.060 (31.75 ±1.52)	.295 ±.030 (7.49 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW7	1.575 ±.060 (40.00 ±1.52)	.295 ±.030 (7.49 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW10A	1.750 ±.060 (44.45 ±1.52)	.295 ±.030 (7.49 ±0.76)	.032 ±.004 (0.81 ±0.10)
WW10	1.750 ±.060 (44.45 ±1.52)	.375 ±.030 (9.53 ±0.76)	.040 ±.004 (1.02 ±0.10)

* Also Available in .020

How to Order

[Standard Decade Values](#)

[Packaging](#)



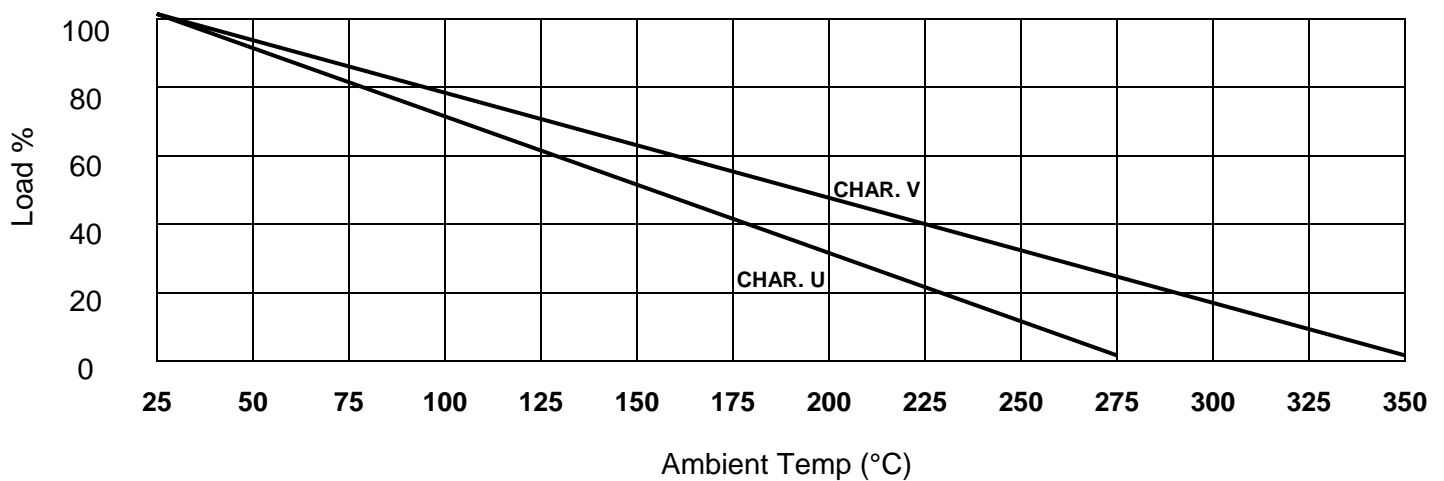
DEDICATION TO EXCELLENCE

Environmental Specifications	Characteristic	
	U	V
Load Life	$\pm 5\% + .05\Omega$	$\pm 3.0\% + .05\Omega$
Moisture Resistance	$\pm 2\% + .05\Omega$	$\pm 2\% + .05\Omega$
Thermal Shock	$\pm 2\% + .05\Omega$	$\pm 2\% + .05\Omega$
Short Time Overload	$\pm 2\% + .05\Omega$	$\pm 5\% + .05\Omega$
Dielectric Strength	$\pm 1\% + .05\Omega$	$\pm 1\% + .05\Omega$
Low Temp. Storage	$\pm 2\% + .05\Omega$	$\pm 2\% + .05\Omega$
High Temp. Exposure	$\pm 5\% + .05\Omega$	$\pm 5\% + .05\Omega$
Terminal Strength	$\pm 1\% + .05\Omega$	$\pm 1\% + .05\Omega$
Shock	$\pm 1\% + .05\Omega$	$\pm 1\% + .05\Omega$
Vibration	$\pm 1\% + .05\Omega$	$\pm 1\% + .05\Omega$

Temperature Coefficient

TC20 = ± 20 PPM/ $^{\circ}$ C, 10 ohm and above
 TC50 = ± 50 PPM/ $^{\circ}$ C, 1 ohm – 9.9 ohm
 TC90 = ± 90 PPM/ $^{\circ}$ C, Below 1 ohm

Derating Curve



WW Series resistors have an operating temperature of -55° C to 350° C. They must be derated for use at high ambient temperatures as shown above. Resistors with characteristic V are available in 3%, 5% and 10% only.