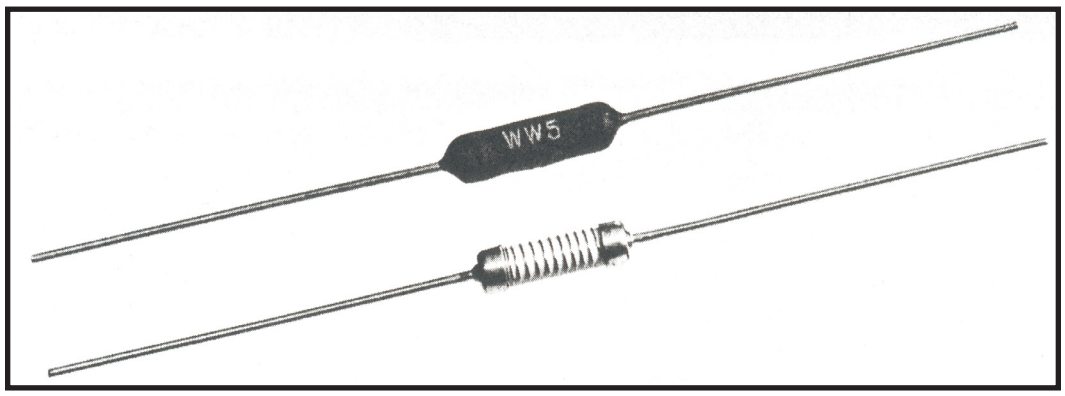
Series: WW Silicone Coated Wirewound Resistors

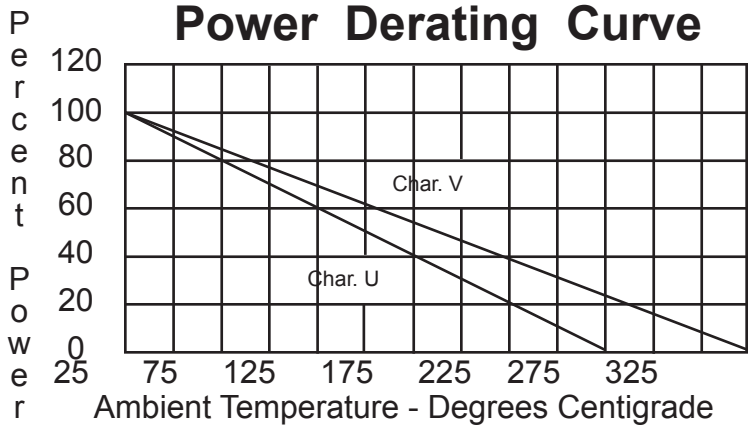
The VPR WW series are axial lead, silicone coated precision resistors. These parts are controlled stress wound on centerless ground cores of high quality alumina. The caps are welded to the resistive element, then tin plated copper-weld leads are welded to the caps. The body of the resistor is conformally covered with an exceptionally high temperature silicone coating. This coating is specially formulated to withstand chlorethanes and other degreasing type chemicals. Modern production equipment allow competitive pricing and superior quality. All resistors in the WW series are available with fusible elements. All WW series parts are RoHS compliant.



Tolerances of the WW series range through all the standard groupings from 5% down to .01%. Our standard temperature coefficients are ±90PPM on values from zero to 1 ohm, ±50PPM on values from 1 ohm to 10 ohms and ±20PPM on values above 10 ohms. Other special TCs are also available at the customer's request. An example: +6000PPM, ±50PPM.

Power and Characteristic Rating:
VPR's WW series has two power ratings, depending upon operating temperature and stability requirements.
Characteristic U: 275°C maximum hotspot temperature.
Characteristic V: 350°C maximum hotspot temperature.
Both have a low operating temperature of -65°C.

Power Derating Curve



Ask for the WW series when precision is required.

Codeco Corporation of Vermont
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Toll Free: 866-255-8567
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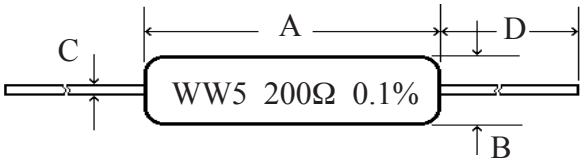
VPR TYPE	WATTAGE		MAXIMUM RESISTANCE	DIMENSIONS INCHES		LEAD INS	DIMENSION MM.		MAX. WORK
	U	V	OHMS	A	B	C	A	B	VOLTS
WWH	.40	.60	0.1Ω to 2K	.312	.110	.025	7.87	2.8	50
WW1	1.0	1.2	0.1Ω to 3K	.375	.110	.025	9.52	2.8	75
WW1A	1.0	1.5	0.1Ω to 7K	.420	.110	.025	10.7	2.8	100
WW2	1.5	2.5	0.1Ω to 10K	.370	.156	.032	9.4	3.9	150
WW2A	2.5	3.0	0.1Ω to 15K	.550	.156	.032	14.0	3.9	200
WW3	3.0	3.7	0.1Ω to 22K	.560	.187	.032	13.0	4.8	200
WW3A	3.0	4.0	0.1Ω to 30K	.500	.218	.032	12.7	5.5	200
WW4	4.0	5.0	0.1Ω to 40K	.700	.270	.036	17.8	6.9	250
WW5	5.0	6.5	0.1Ω to 50K	.875	.312	.036	22.2	8.0	300
WW7	6.5	8.5	0.1Ω to 70K	1.125	.312	.036	31.7	8.0	450
WW7A	7.0	9.0	0.1Ω to 100K	1.400	.312	.036	42.2	8.0	600
WW10	10.0	13.0	0.1Ω to 150K	1.780	.375	.040	45.2	9.5	1000
Lead Diameter: AWG/Dec.: #18/.040", #19/.036", #20/.032", #22/.025", #24/.020"									

D=1.5" min.



For Non-inductive windings: Add an "N" before the series identifier. (NWW1). The maximum resistance shown in the table above must be divided by two. Also the maximum working voltage shown above must be multiplied by .707.

Resistance measurements: All VPR resistors are measured against NBS standard resistance and are measured 3/8" from the body of the resistor.

Leads: Copper, tin plated, 1.5" minimum length. Other leads available on special request. Copper-ply leads are solderable and weldable. Radial leads are also available on special request.

MIL specs: These parts are designed not only to meet, but exceed MIL-R-26.