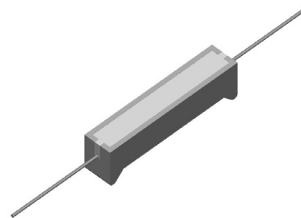


FEATURES

- Resistances from 0.01 to 91kOhms
- Tolerance to $\pm 0.01\%$
- Low Temperature Coefficient
- Power Rating to 15Watts
- All Welded Resistance Element
- Non-Inductive Windings are Available
- Flameproof Inorganic Construction

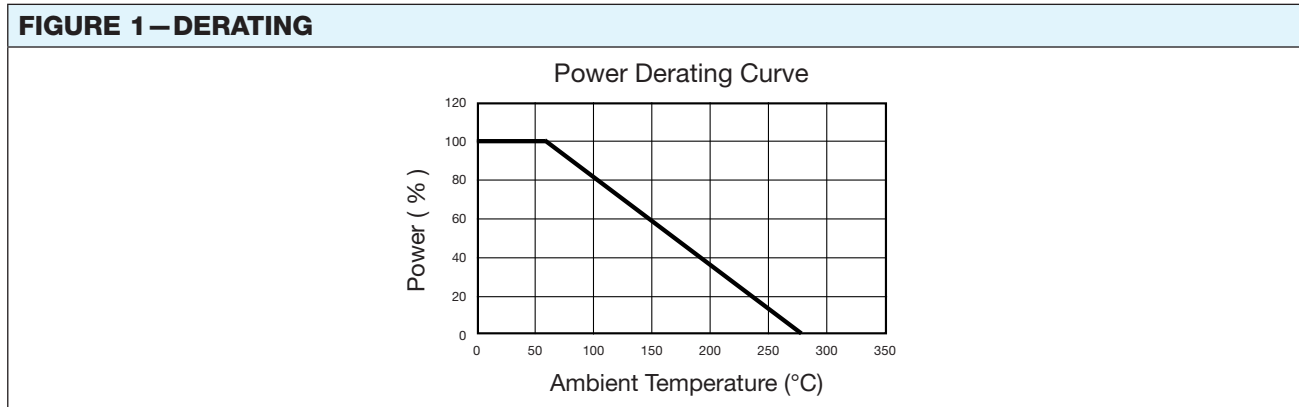


RoHS*
COMPLIANT

TABLE 1 – SPECIFICATIONS

Tolerances	$\pm 0.01\%$ to $\pm 10\%$ (1% Standard)
Temperature Coefficient	>10 Ω : $\pm 20\text{ppm/K}$ 1 Ω to 10 Ω : $\pm 50\text{ppm/K}$ <1 Ω : Call Factory
Temperature Range	-55 $^{\circ}\text{C}$ to +275 $^{\circ}\text{C}$
Dielectric Strength	1500 VAC
Constuction	Centerless ground ceramic core Tinned copper or copperweld leads High temperature / inorganic potting compound All welded terminations
Environmental Performance (MIL-STD 202)	ΔR
Dielectric	$\pm 0.2\% + 0.05\Omega$
Load Life	$\pm 1\% + 0.05\Omega$
Storage	$\pm 0.2\% + 0.05\Omega$
Moisture Resistance	$\pm 0.2\% + 0.05\Omega$
Thermal Shock	$\pm 0.2\% + 0.05\Omega$
5X Overload (5s)	$\pm 0.2\% + 0.05\Omega$
Shock	$\pm 0.1\% + 0.05\Omega$
Vibration	$\pm 0.1\% + 0.05\Omega$

FIGURE 1 – DERATING



ORDERING INFORMATION

Part Number - Resistance - Tolerance - TCR (If not standard)

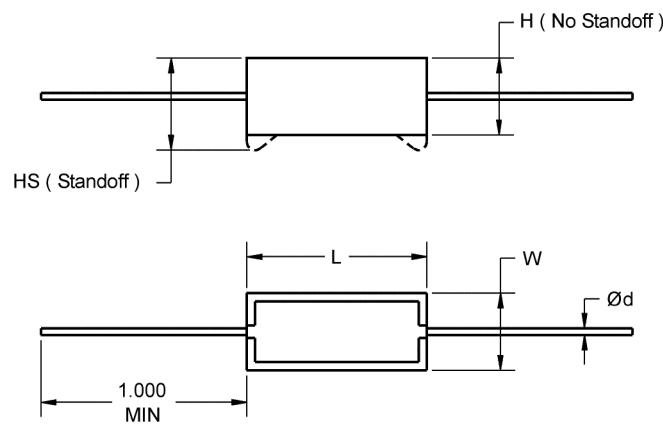
UW-5 100 Ohm 1%
For Non-Inductive Windings / insert the letter "N" (i.e. UWN-5)

TABLE 1 – SPECIFICATIONS (continued)

Type	Power Rating W @ 70°C	Resistance ¹ Range	L ±0.04 [±1.0]	H ±0.04 [±1.0]	HS ±0.04 [±1.0]	W ±0.015 [±0.4]	d ² ±0.015 [±0.4]
UW-2	2	0.01 to 22k	0.700 [17.8]	0.245 [6.2]	0.300 [7.6]	0.255 [6.5]	0.032 [0.8]
UW-3	3	0.01 to 22k	0.875 [22.2]	0.312 [7.9]	0.375 [9.5]	0.312 [7.9]	0.032 [0.8]
UW-5	5	0.01 to 45k	0.875 [22.2]	0.375 [9.5]	0.437 [11.1]	0.375 [9.5]	0.032 [0.8]
UW-10	10	0.01 to 65k	1.875 [48]	0.375 [9.5]	0.500 [12.7]	0.375 [9.5]	0.040 [1.0]
UW-15	15	0.01 to 91k	1.875 [48]	0.500 [12.7]	0.625 [15.9]	0.500 [12.7]	0.040 [1.0]

¹ For non-inductive windings / divide maximum resistance by 2

² Lead Diameter: 18 AWG = 0.040" / 20 AWG = 0.032"





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