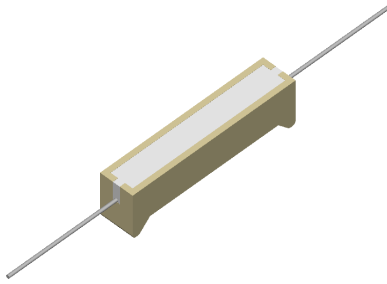


UW Series

Ceramic Wirewound Resistors

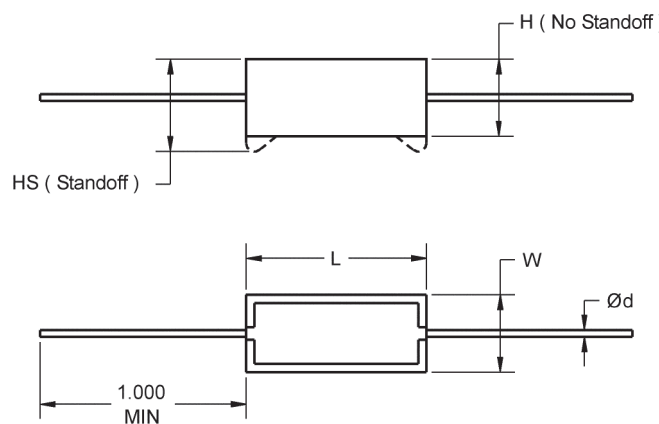


- Resistances from 0.01 to 91kOhms
- Tolerance to $\pm 0.01\%$
- Low Temperature Coefficient
- Power Rating to 15Watts
- All Welded Resistance Element
- Non-Inductive Windings are Available
- Flameproof Inorganic Construction

SPECIFICATIONS

| 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"



Ordering Information

For Non-Inductive Windings / insert the letter "N" (i.e. UWN-5)
 Part Number - Resistance - Tolerance - TCR (If not standard)
 Example: UW-5 100 Ohm 1%

SPECIFICATIONS (continued)

| Specification | Value |
|--|---|
| Tolerances | ±0.01% to ±10% (1% Standard) |
| Temperature Coefficient | >10Ω : ±20ppm/K 1Ω to 10Ω : ±50ppm/K <1Ω : Call Factory |
| Temperature Range | -55°C to +275°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 | ±0.2% + 0.05Ω |
| Load Life | ±1% + 0.05Ω |
| Storage | ±0.2% + 0.05Ω |
| Moisture Resistance | ±0.2% + 0.05Ω |
| Thermal Shock | ±0.2% + 0.05Ω |
| 5X Overload (5s) | ±0.2% + 0.05Ω |
| Shock | ±0.1% + 0.05Ω |
| Vibration | ±0.1% + 0.05Ω |

