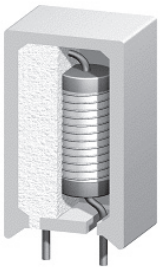
UV Series

Ceramic Wirewound Resistors

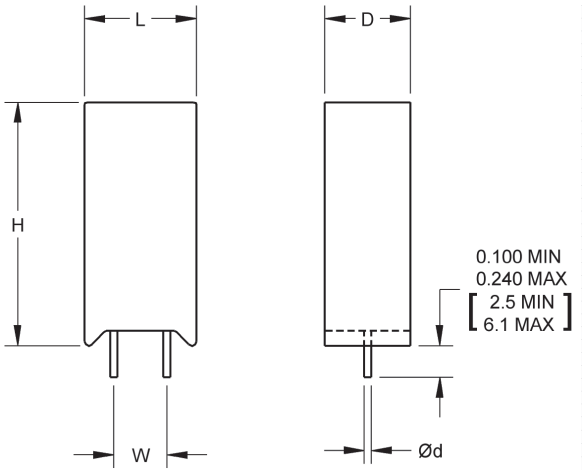


- **Flameproof Inorganic Construction**
- **Resistances from 0.01 to 91kOhms**
- **Tolerance to ±0.01%**
- **Low Temperature Coefficient**
- **Power Rating to 10Watts**
- **All Welded Resistance Element**
- **Non-Inductive Windings are Available**

SPECIFICATIONS

Type	Power Rating W @ 70°C	Resistance[1] Range	H ±0.06 [±1.5]	L ±0.04 [±1.0]	D ±0.04 [±1.0]	W ±0.015 [±0.4]	d[2] ±0.002 [±0.05]
UV-2	2	0.01 to 22k	0.80 [20.3]	0.435 [11.0]	0.275 [7.0]	0.200 [5.1]	0.032 [0.8]
UV-3	3	0.01 to 22k	1.00 [25.4]	0.475 [12.1]	0.320 [8.1]	0.200 [5.1]	0.032 [0.8]
UV-5	5	0.01 to 45k	1.00 [25.4]	0.520 [13.2]	0.350 [8.9]	0.200 [5.1]	0.032 [0.8]
UV-7	7	0.01 to 65k	1.52 [38.7]	0.520 [13.2]	0.380 [9.7]	0.200 [5.1]	0.040 [1.0]
UV-10	10	0.01 to 91k	1.38 [35.1]	0.635 [16.1]	0.480 [12.2]	0.300 [7.6]	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. UVN-5)
Part Number - Resistance - Tolerance - TCR (If not standard)
Example: **UV-5 100 Ohm 1%**

SPECIFICATIONS (continued)

Specification	Value
Tolerances	±0.01% to ±10% (1% Standard)
Temperature Coefficient	>10Ω : ±20ppm/K 1Ω to10Ω : ±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

