

UV Series

Ceramic Wirewound Resistors



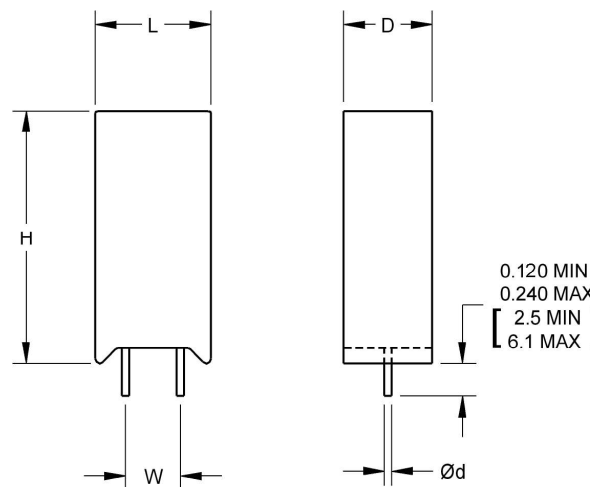
- Flameproof Inorganic Construction
- Resistances from 0.01 to 91kOhms
- Tolerance to $\pm 0.01\%$
- Low Temperature Coefficient
- Power Rating to 10Watts
- All Welded Resistance Element
- Non-Inductive Windings are Available

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 12k	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]	0.032 [0.8]
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 Description: Part Type - Resistance - Tolerance - TCR (If not standard)

Example: **UV-5 100 Ohm 1%**

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SPECIFICATIONS (continued)

Specification	Value
Tolerances	$\pm 0.01\%$ to $\pm 10\%$ (1% Standard)
Temperature Coefficient	$>10\Omega$: $\pm 20\text{ppm/K}$ 1Ω to 10Ω : $\pm 50\text{ppm/K}$ $<1\Omega$: Call Factory
Temperature Range	-55°C to $+275^\circ\text{C}$
Dielectric Strength	1500 VAC
Construction	Centerless ground ceramic core Matte Tin over Copper 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	$\pm 0.1\% + 0.05\Omega$

Power Derating Curve

