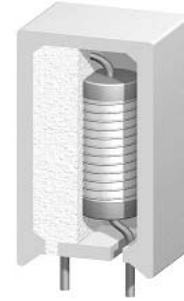


- Flameproof Inorganic Construction
- Resistances from 0.01 to 91K Ohms
- Tolerance to $\pm 0.01\%$
- Low Temperature Coefficient
- Power Rating to 10 Watts
- All Welded Resistance Element
- Non-Inductive Windings are available



Riedon's high quality UV Series power resistors are used for vertical mounting on PC boards where tolerance, TCR, stability and reliability are important. UV series resistance elements are potted into ceramic cases with a special high temperature, inorganic compound that provides high thermal conductivity and humidity resistance. The construction results in a completely flameproof package.

The resistance element is a completely welded assembly. The resistance wire is wound on a centerless ground ceramic core with controlled low tension. Leads are solderable and weldable. Both leads are located at one end of the ceramic case, which has stand-offs for vertical mounting on PC boards.

SPECIFICATIONS

Type	Power Rating (70°C)	Resistance Range	Dimensions (in.)			
			H ± 0.06	L ± 0.04	D ± 0.04	W ± 0.015
UV-2	2	0.01 to 22K	0.80	0.435	0.275	0.200
UV-3	3	0.01 to 22K	1.00	0.475	0.320	0.200
UV-5	5	0.01 to 45K	1.00	0.520	0.350	0.200
UV-10	10	0.01 to 91K	1.38	0.635	0.480	0.300

- Standard Tolerance** - $\pm 1\%$ (Tighter Tolerances Available)
- Dielectric Strength** - 1500 VAC
- Maximum Working Voltage** - \sqrt{PR}
- Operating Temperature** - -55°C to $+275^{\circ}\text{C}$
- Short Term Overload** - 5 X rated power for 5 sec.
- Temperature Coefficient** - Consult Factory ($R < 1\Omega$)
 $\pm 50\text{ppm}/^{\circ}\text{C}$ ($1\Omega \leq R \leq 10\Omega$)
 $\pm 20\text{ppm}/^{\circ}\text{C}$ ($R > 10\Omega$)
- Non-Inductive Windings** - Divide Max. Resistance by 2
Multiply Max. Working Voltage by 0.707

Ordering information:

For Non-Inductive Windings, insert the letter "N" (i.e. UVN-5)

Part Number - Resistance - Tolerance - TCR

Example: UV-5 - 15 Ohm - 1% - 10ppm

