

# OMEGA PRODUCTS PRIVATE LIMITED.

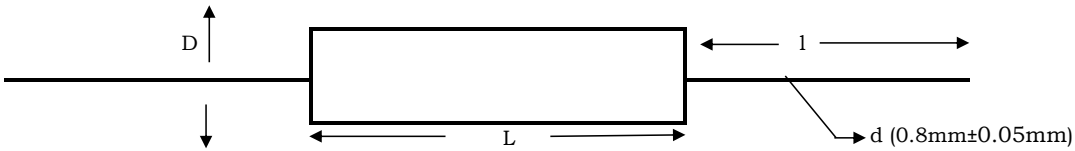
## Thick Film Resistors High Voltage OHVS Series

### DESCRIPTION

Homogeneous film of conductive & Ruthenium oxide resistive ink is screen printed 96% alumina rods. Pre-welded tin coated electrolytic copper wire spot welded on center of the end caps are force fitted from both sides. Trimming machine is used to achieve the highly precise resistance tolerance by trimming. The resistor are coated with screen printed polymer coat for electrical, mechanical and climatic protection. Marking is done with respect to type, designated value, tolerance and date code on coated Resistor.

### FEATURES :

High impulse load & stability  
Low Inductance.  
Pulse withstanding design available



### SPECIFICATION

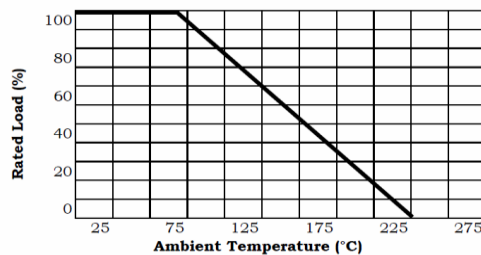
Type (Polymer Coat)	Wattage	L (±1mm)	D (±0.5mm)	l (Min)	Max Voltage (KV)	Resistance Range
OHVS 4	4W	26	7.5	30	10	600R - 10G
OHVS 5	5W	41	7.5	30	15	500R - 50G
OHVS 8	8W	52	7.5	30	20	400R - 50G
OHVS 10	10W	65.5	7.5	30	25	400R - 50G
OHVS 12	12W	77	7.5	30	30	600R - 50G
OHVS 13.5	13.5W	101	7.5	30	40	880R - 50G
OHVS 15	15W	121	7.5	30	50	1M - 50G
OHVS 20	20W	151	7.5	30	60	1M - 50G

### PERFORMANCE CHARACTERISTIC

	<i>Requirement Shall not Exceed</i>
Tolerances	0.10%, 0.25%, 0.5%, 1%, 5%
Operating Temperature	-55°C to 225°C
Short Term Overload (1.5 x Rated power - 5 Sec) ( Do not exceed max. voltage)	Delta R ± 0.25% Max.
Load Life (Rated 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R ± 0.5% Max.
Thermal Shock ( MIL Std. 202, method 107 Cond. C)	Delta R ± 0.2% Max.
Voltage Coefficient Resistance (VCR)	< 0.5 ppm/volt
Temperature Coefficient Resistance (TCR)	±25, ±50 & ±100 ppm/°C
Moisture Resistance (MIL Std 202, method 106)	Delta R ± (0.25% +0.05 Ohms)
Insulation Resistance (at 500V for 1 Min)	> 10 G Ohms
Dielectric Strength >1KV at 25°C	No Flash over
Resistance Soldering Heat (260°C 10 Sec)	Delta R ± (0.5% +0.05 Ohms)
Solderability (Solder bath dip - 5 Sec)	> 95% Coverage
Resistance to Solvents (Solvent dip - 3 min)	No deterioration
Terminal Strength (Bending, Tensile, Torsion)	No Mechanical Damage

Derating

#### Derating Curve:



### Ordering Info:

OHVS 10 10M J 100 ppm

\*Specifications is subject to change without notice