

OMEGA PRODUCTS PRIVATE LIMITED.

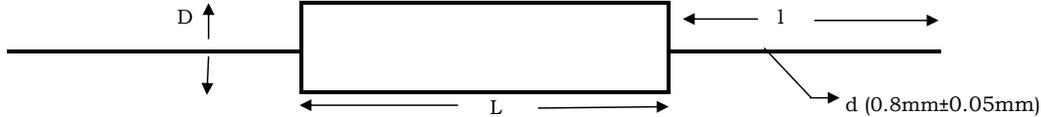
Thick Film Resistors High Voltage OHVC Series

DESCRIPTION

Homogeneous film of conductive & Ruthenium oxide resistive ink is screen printed high 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 conformal silicon coating 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

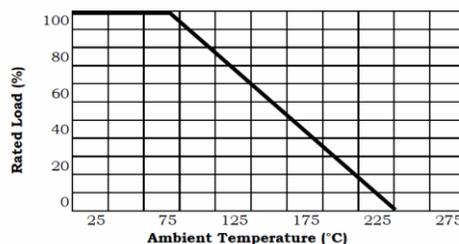
Conformal coating	Wattage	L (±1mm)	D (±0.5mm)	l (Min)	Max Voltage (KV)	Resistance Range
OHVC 4	4W	28.00	8.50	30	10	600R TO 10G
OHVC 5	5W	42.00	8.50	30	15	500R TO 50G
OHVC 8	8W	53.00	8.50	30	20	400R TO 50G
OHVC 10	10W	66.50	8.50	30	25	600R TO 50G
OHVC12	12W	78.00	8.50	30	30	600R TO 50G
OHVC 13.5	13.5W	103.50	8.50	30	40	880R TO 50G
OHVC 15	15W	124.00	8.50	30	50	1M TO 50G
OHVC 20	20W	154.00	8.50	30	60	1M TO 50G

PERFORMANCE CHARACTERISTIC

	Requirement Shall not Exceed
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:

OHVC 10 10M J 100 ppm

*Specifications is subject to change without notice