

OMEGA PRODUCTS PRIVATE LIMITED

Thick Film Resistors

High Voltage

OHV Series

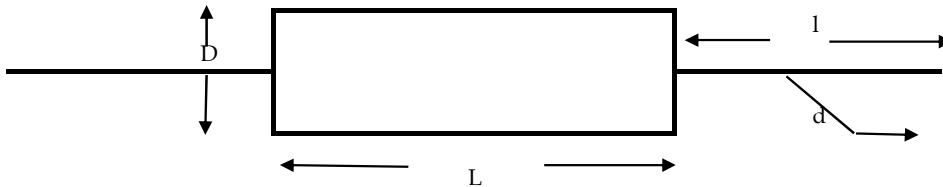
DESCRIPTION

A homogeneous Film of Resistive Ink is Screen Printed high Alumina Rods . A special Laser machine is used to achieve the highly precise resistance tolerance by trimming . Tin coated electrolytic copper wire are spot welded to the center of the end caps. The resistor are coated with conformal silicon coating for Electrical , Mechanical and climatic protection, Marking is done with respect to designated value on coated Resistor.

FEATURES :

High impulse load,
Wide Range of Resistors
Pulse withstanding design available

Flame proof coating available
High Stability
Low Inductance.



SPECIFICATION

TYPE	WATTAGE	L	D	d	l (Min)	Max Voltage (KV)	Resistance Range
OHV1	0.25 W	12.00	4.50	0.78	30.00	1.5	Up to 1G
OHV2.5	0.5 W	16.00	5.50	0.78	30.00	2.5	Up to 2G
OHV5	1.0 W	21.00	7.50	0.78	30.00	5	Up to 2G
OHV7.5	2.0 W	52.00	8.50	0.78	30.00	15	Up to 10G
OHV10	4.0 W	66.00	8.50	0.78	30.00	22.5	Up to 10G
OHV12.5	6.0 W	81.00	8.50	0.78	30.00	25	Up to 10G

PERFORMANCE CHARACTERISTIC

Short Term Overload (2.5 x Rated voltage - 5 Sec)
Load Life (Rated 1000 Hrs 1.5/0.5 Hr ON/OFF)
Temperature Cycling (-55 / +155, 5 cycles)
Voltage Coefficient Resistance (VCR)
Temperature Coefficient Resistance (TCR)
Damp Heat-Steady State (40°C at 95% Rh - 56days)
Insulation Resistance (at 500V for 1 Min)
DWV Test
Resistance Soldering Heat (260°C 10 Sec)
Solderability (Solder bath dip - 5 Sec)
Resistance to Solvents (Solvent dip - 3 min)
Terminal Strength (Bending, Tensile, Torsion)
Derating

Requirement Shall not Exceed

Delta R \pm (1.0% +0.05 Ohms)
Delta R \pm (2.0% +0.05 Ohms)
Delta R \pm (0.5% +0.05 Ohms)
< 5 ppm/°volt
 \pm 100 ppm/°C
Delta R \pm (2.0% +0.05 Ohms)
> 10 000 M Ohms
No Flash over at 1KV
Delta R \pm (0.5% +0.05 Ohms)
> 95% Coverage
No deterioration
No Mechanical Damage
Linearly from Rated Dessipation at 70°C
to Zero at 125°C

Ordering Info:

OHV5 10M G 100 ppm

*Specifications is subject to change without notice