

Silicon Coated Wire Wound Resistor - Axial

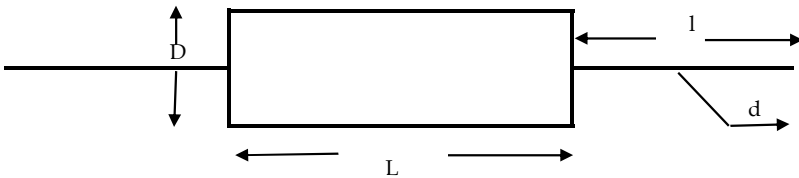
OSA Series

DESCRIPTION

High Quality Ceramic Rods are firmly pressed with Nickel plated caps welded with tin coated copper wires on the rods. The resistors are coated with special epoxy or Flame proof Epoxy for Electrical, Mechanical and climatic protection, colour codes/Alpha numeric marking is applied with respect to designated value on coated Resistor. All Resistors are subjected to testing before final taping process.

FEATURES :

- Wide Range of Resistors
- Pulse withstanding design available
- Flame proof coating available
- RoHS Compliant
- Custom Built Design and values available



SPECIFICATION

TYPE	WATTAGE	L	D	l	d	Working Voltage	Resistance Range	TCR
OSA 0.5	0.5 W	9.5 ± 0.5	3.5 ± 0.2	25 ± 0.2	0.60 ± 0.02	350V	1R to 100K	25, 50, 100
OSA 1	1W	12.0 ± 1	4.5 ± 0.5	35 ± 2	0.78 ± 0.02	500V	1R to 100K	25, 50, 100
OSA 2	2W	16.0 ± 1	5.5 ± 0.5	35 ± 2	0.78 ± 0.02	500V	1R to 100K	25, 50, 100
OSA 3	3W	17.5 ± 1	6.0 ± 0.5	35 ± 2	0.78 ± 0.02	700V	1R to 100K	25, 50, 100
OSA 4	4W	17.5 ± 1	6.0 ± 0.5	35 ± 2	0.78 ± 0.02	700V	1R to 100K	25, 50, 100
OSA 5	5W	22.0 ± 1	7.5 ± 0.5	35 ± 2	0.78 ± 0.02	1000V	1R to 100K	25, 50, 100
OSA 6	6W	22.0 ± 1	7.5 ± 0.5	35 ± 2	0.78 ± 0.02	1000V	1R to 100K	25, 50, 100
OSA 7	7W	25.0 ± 1	8.5 ± 0.5	35 ± 2	0.78 ± 0.02	1300V	1R to 100K	25, 50, 100
OSA 10	10W	42.0 ± 1	7.5 ± 0.5	35 ± 2	0.78 ± 0.02	1600V	1R to 100K	25, 50, 100
OSA 12	12W	54.0 ± 1	8.5 ± 0.5	35 ± 2	0.78 ± 0.02	1700V	1R to 100K	25, 50, 100
OSA 15	15W	67.0 ± 1	8.5 ± 0.5	35 ± 2	0.78 ± 0.02	1700V	1R to 100K	25, 50, 100

PERFORMANCE CHARACTERISTIC

Requirement Shall not Exceed

Short Term Overload (2.5 x Rated voltage - 5 Sec)	Delta R ± (1.0% +0.05 Ohms)
Load Life (Rated at 70°C 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R ± (5.0% +0.05 Ohms)
Temperature Cycling (-55 / +155, 5 cycles)	Delta R ± (0.5% +0.05 Ohms)
Insulation Resistance (at 500V for 1 Min)	Shall not be less than 10 000 M Ohms
DWV Test	Delta R ± (0.5% +0.05 Ohms) & No Flash over at 500V
Resistance Soldering Heat (260°C 10 Sec)	Delta R ± (1.0% +0.05 Ohms)
Solderability (Solder bath dip - 5 Sec)	Greater than 95% Coverage
Resistance to Solvents (Solvent dip - 3 min)	No effect of IPA /TCE Solvents
Damp Heat Steady State (40°C/95% Rh - 56 days)	Delta R ± (5.0% +0.05 Ohms)
Vibration (10 to 2000 Hz)	Delta R ± (0.5% +0.05 Ohms)
Shock (1 Km/S ²)	Delta R ± (0.5% +0.05 Ohms)
Low Temp Operation (-55°C 2 Hrs without Loading)	Delta R ± (1% +0.05 Ohms)
High Temp Operation(+155°C 16 Hrs without Loading)	Delta R ± (1% +0.05 Ohms)
Terminal Strength (Bending, Tensile, Torsion)	Delta R ± (0.5% +0.05 Ohms) & No Mech. Damage

Ordering Info: OSA5 1K J 200 PPM

*Specifications is subject to change without notice

Derating Curve

