

OMEGA PRODUCTS PRIVATE LIMITED

Silicon Coated Wire Wound Resistor - Radial

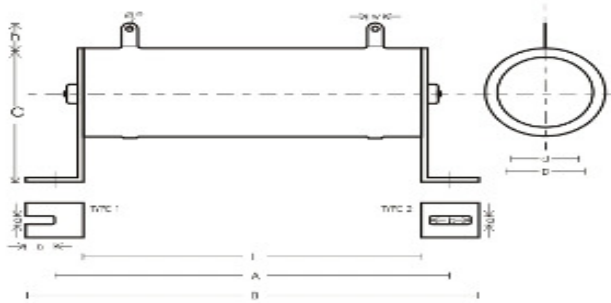
OSR Series

DESCRIPTION

High alumina ceramic tubes are wire wound with nichrome/Eureka wires and spot welded on edges of termination. The resistor are coated with flame proof special epoxy for Electrical , Mechanical and climatic protection, Marking is done with respect to designated value on coated Resistor.

FEATURES :

- Non-Inductive type available
- Good Surge and Pulse Performance
- Choice of three physical configurations : (1) Fixed (2) Tapped (3) Adjustable
- Custom Designed Resistors & Assemblies Available on Request
- Mounting Accessories & Terminal Accessories Available



SPECIFICATION

TYPE	Rating @ 70° C	OD (D)	Tube length (L)	ID (d)	Clamp Width (W)	Clamp hole dia (e)	Clamp height (h)	Pitch (A)	Total length (B)	Total height C	Clamp slot (a)	Clamp slot length (b)
OSR5	5	10	25	4	5	2.2	16	50	50	25	4.2	6.5
OSR10	10	10	45	4	5	2.2	16	52	70	25	4.2	6.5
OSR15	15	12	50	5	5	2.2	16	67	75	25	5.2	6.5
OSR20	20	17	50	10	5	3.2	18	67	80	35	4.2	7.8
OSR25	25	17	63	10	5	3.2	18	80	93	35	4.2	7.8
OSR30	30	17	78	10	5	3.2	18	95	108	35	4.2	7.8
OSR40	40	17	100	10	5	3.2	18	117	130	35	4.2	7.8
OSR50	50	20	100	10	7	4.2	23	132	142	43	5.8	9.1
OSR75	75	25	100	15	8	4.2	25	118	132	36	5.2	7.8
OSR100	100	30	150	19	8	4.2	32	175	195	52	6.5	11.5

Type 1 and Type 2 can be supply w.r.t. customer design

PERFORMANCE CHARACTERISTIC

	Requirement Shall not Exceed
Ohmic value	0.1Ω to 250KΩ
Ohmic Tolerance	Standard 5% Lower Tolerance Available
Temperature Co-efficient	± 50ppm/°C to ±200ppm/°C
Surface Temperature	300°C at 40°C Ambient
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)
Insulation Resistance (at 500V for 1 Min)	Shall not be less than 2000 M Ohms
DWV Test	Delta R ± (0.5% +0.05 Ohms) & No Flash over at 1KV
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)

Ordering Info: OSR5 1K J 200 PPM

*Specifications is subject to change without notice