



# OMEGA PRODUCTS PVT. LTD.

Unit No.50,SDF II, SEEPZ (SEZ) Andheri ( East ), Mumbai 400 096

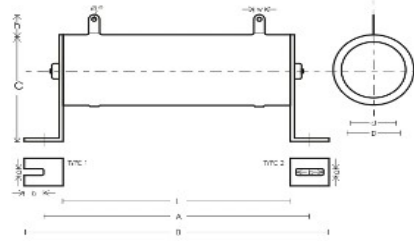
## Silicon Coated Wire Wound Resistor - Radial - OSR Series

### 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)
OSR5	5	10	25	4	5	2.2	16	50	50	25	4.2
OSR10	10	10	45	4	5	2.2	16	52	70	25	4.2
OSR15	15	12	50	5	5	2.2	16	67	75	25	5.2
OSR20	20	17	50	10	5	3.2	18	67	80	35	4.2
OSR25	25	17	63	10	5	3.2	18	80	93	35	4.2
OSR30	30	17	78	10	5	3.2	18	95	108	35	4.2
OSR40	40	17	100	10	5	3.2	18	117	130	35	4.2
OSR50	50	20	100	10	7	4.2	23	132	142	43	5.8
OSR60	60	25	100	15	8	4.2	25	118	132	36	5.2
OSR100	100	30	150	19	8	4.2	32	175	195	52	6.5

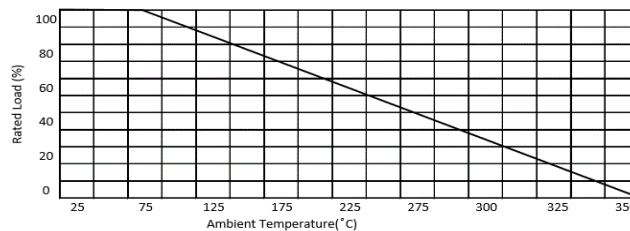
Type 1 and Type 2 can be supply w.r.t. customer design

### PERFORMANCE CHARACTERISTIC

	Requirement Shall not Exceed
Ohmic value	0.1Ω to 50KΩ Above 500 Ohm we can supply in Metal oxide
Tolerance	±1% ,± 5% , ±10%
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)

Derating

Derating Curve :



Ordering Info: OSR5 1K J 200 PPM

\*Specifications is subject to change without notice