



# OMEGA PRODUCTS PVT. LTD.

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

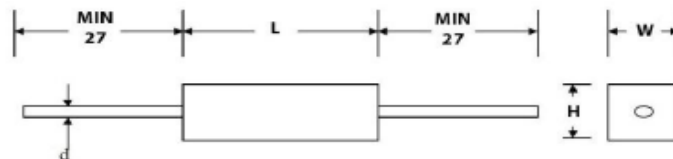
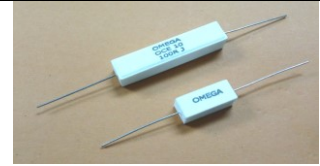
## Ceramic Encased Resistor (SQP type) - OCE Series

### DESCRIPTION

A resistance element of Nicrom alloy is wound on ceramic body. Resistor is fitted with cement in ceramic boats and cured. The fire proof ceramic construction provides excellent thermal conductivity and resistance to solvent and moisture & for mechanical and climatic protection, Marking is given with respect to designated value, tolerance & type no. All Resistors are subjected to testing before dispatch.

### FEATURES

- Wide Range of Resistors
- Low TCR available
- Low Tolerances available
- RoHS Compliant
- Custom Built Design and values available



### SPECIFICATION

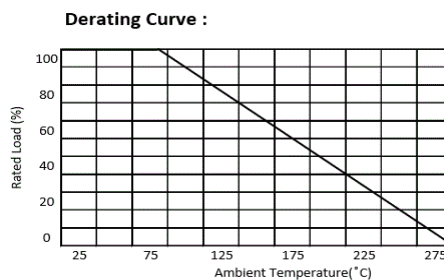
Type (SQP)	Wattage	Dimension (mm)				Resistance Range ( $\Omega$ )	Max Working Voltage	TCR
		L $\pm$ 1.5	W $\pm$ 1.0	H $\pm$ 1.0	d $\pm$ 0.05			
OCE2	2W	18.0	7.0	7.0	0.65	0.1-500 $\Omega$	150V	$\pm$ 100,200 ppm
OCE3	3W	22.0	8.0	8.0	0.75	0.1-33K $\Omega$	350V	$\pm$ 100,200 ppm
OCE5	5W	22.0	9.5	9.0	0.75	0.1-50K $\Omega$	350V	$\pm$ 100,200 ppm
OCE7	7W	35.0	9.5	9.0	0.75	0.1-50K $\Omega$	500V	$\pm$ 100,200 ppm
OCE10	10W	48.0	9.5	9.0	0.75	0.1-50K $\Omega$	750V	$\pm$ 100,200 ppm
OCE15	15W	48.0	12.5	12.0	0.75	0.5-150K $\Omega$	1000V	$\pm$ 100,200 ppm
OCE20	20W	60.0	14.0	13.5	0.75	0.5-150K $\Omega$	1000V	$\pm$ 100,200 ppm

Above 500 Ohm we can supply in Metal oxide

### PERFORMANCE CHARACTERISTIC

	Requirement Shall not Exceed
Tolerance	$\pm$ 1% , $\pm$ 5%
Short Term Overload (3 x Rated Wattage - 5 Sec)	Delta R $\pm$ (0.2% +0.05 Ohms)
Load Life (Rated at 70°C 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R $\pm$ (5.0% +0.05 Ohms)
Temperature Cycling (-55 / +155, 5 cycles )	Delta R $\pm$ (0.1% +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 $\pm$ (3.0% +0.05 Ohms)
DWV Test	No flash over upto 1 KV
Insulation Resistance	500M $\Omega$

Derating



### Ordering Info

OCE5 390 J B 100 PPM W

\*Specifications is subject to change without notice