

Omega Products Private Limited

Ceramic Encased Resistor (SQP type)

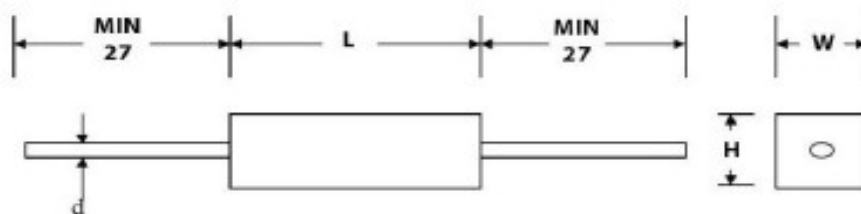
OCE Series

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



Type (SQP)	Wattage	Dimension (mm)				Resistance Range (Ω)	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 Ω	150V	ppm
OCE3	3W	22.0	8.0	8.0	0.75	0.1~33K Ω	350V	ppm
OCE5	5W	22.0	9.5	9.0	0.75	0.1~50K Ω	350V	ppm
OCE7	7W	35.0	9.5	9.0	0.75	0.1~50K Ω	500V	ppm
OCE10	10W	48.0	9.5	9.0	0.75	0.1~50K Ω	750V	ppm
OCE15	15W	48.0	12.5	12.0	0.75	0.5~150K Ω	1000V	ppm
OCE20	20W	60.0	14.0	13.5	0.75	0.5~150K Ω	1000V	ppm

Above 500 Ohm we can supply in Metal oxide

PERFORMANCE CHARACTERISTIC

Requirement Shall not Exceed

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
Insulation Resistance

No flash over upto 1 KV
500M Ω

Ordering Info:

OCE2 390 J B 100 PPM W

*Specifications is subject to change without notice