

# Omega Products Private Limited

## Ceramic Encased Resistor (SOT type)

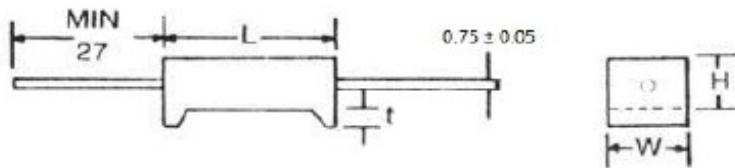
### OCT Series

#### 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	Wattage	Dimension (mm)				Resistance Range ( $\Omega$ )	TCR
		$W \pm 1$	$H \pm 1$	$L \pm 1.5$	$t \pm 1.5$		
OCT5	5W	10	9	22	1.5	0.1~47K $\Omega$	ppm
OCT7	7W	10	9	35	3	0.1~47K $\Omega$	ppm
OCT10	10W	10	9	48	3	0.1~47K $\Omega$	ppm
OCT15	15W	12.5	12.5	48	3	0.1~47K $\Omega$	ppm
OCT20	20W	13	14	60	5	0.1~47K $\Omega$	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	$\pm (0.2\% + 0.05 \text{ Ohms})$
Load Life (Rated at 70°C 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R	$\pm (5.0\% + 0.05 \text{ Ohms})$
Temperature Cycling (-55 /+155, 5 cycles )	Delta R	$\pm (0.1\% + 0.05 \text{ Ohms})$
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	$\pm (3.0\% + 0.05 \text{ Ohms})$
DWV Test	No flash over upto 1 KV	
Insulation Resistance	500M $\Omega$	

#### **Ordering Info:**

OCT5 390 J B 100 PPM W

\*Specifications is subject to change without notice