



OMEGA PRODUCTS PVT. LTD.

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

Current sensing chip resistor - OCS Series

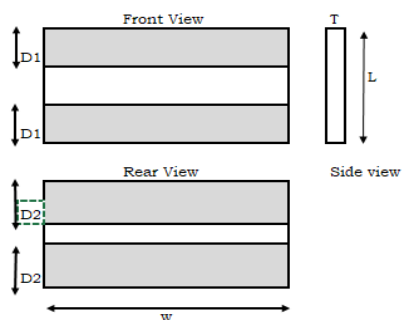
DESCRIPTION

A homogeneous film of conductive & resistive ink is screen printed on 96% alumina ceramic substrates. Laser machine is used to achieve the highly precise resistance tolerance by trimming. The resistor are screen printed with over coat for electrical , mechanical and climatic protection. Marking is done with respect to type no, resistance value, tolerance, on resistor.

FEATURES

Low VCR
Low TCR
Wide Range of Resistors
Low Noise

High Voltages
Tighter Tolerance
High Stability
Low Inductance



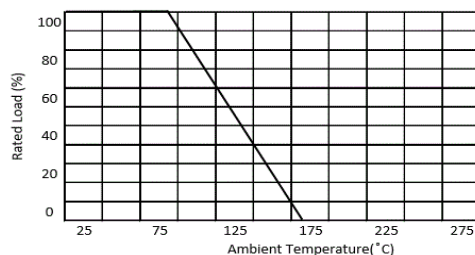
SPECIFICATION

Type	Watt	W (±0.15)	L (±0.15)	T (±0.10)	D1 (±0.10)	D1 (±0.10)	Max Operating Current (A)	Resistance Range
OCS 0508	0.5 W	2.00	1.25	0.60	0.30	0.35	7.07A	10 to 510 m ohms
OCS 0612	0.75W	3.20	1.60	0.60	0.30	0.45	8.66A	10 to 510 m ohms
OCS 1020	1 W	5.00	2.50	0.60	0.40	0.75	10A	10 to 750 m ohms
OCS 1225	1.5 W	6.30	3.10	0.60	0.45	0.75	12.24A	10 to 750 m ohms

PERFORMANCE CHARACTERISTIC

	<i>Requirement shall not exceed</i>
Tolerance	±1% to 5%
Short Term Overload 2 x Rated Voltage- 5 Sec)	Delta R ± (2.0% +0.05 Ohms)
Load Life (Rated 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R ± (2.0% +0.05 Ohms)
Temperature Cycling (-55 /+155, 5 cycles)	Delta R ± (0.5% +0.05 Ohms)
High Temp Exposure	Delta R ± (2.0% +0.05 Ohms)
Temperature Coefficient Resistance (TCR)	±100 ppm/°C
Damp Heat-Steady State (40°C at 95% Rh - 56days)	Delta R ± (2.0% +0.05 Ohms)
Insulation Resistance (at 500V for 1 Min)	> 10 000 M Ohms
DWV Test	No Flash over at 1KV
Resistance to Solvents (Solvent dip - 3 min)	No deterioration
Solderability (250°C - 3 Sec)	> 95% Coverage
Max Soldering Temperature	260°C -10 Sec

Derating Curve :



Ordering Info

OCS 0508 10m ohms J 100 ppm

* Specification is subject to change without notice.

www.omegaresistors.com