

# **OMEGA PRODUCTS PVT. LTD.**

**Unit 50, SDF II, SEEPZ (SEZ), Andheri (East), Mumbai – 400 096**

## Technical Datasheet Fusible Resistor - OFR Series

### DESCRIPTION

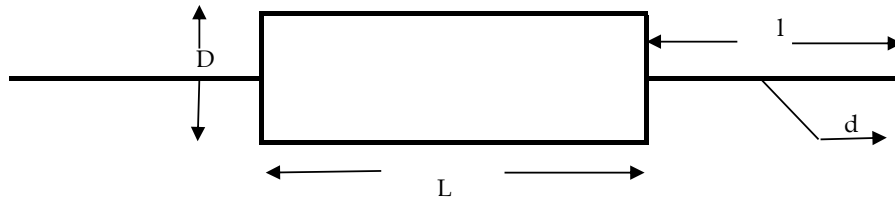
Omega OFR Series fusible metal film resistors are low cost type RoHS Compliant resistors provides circuit protection for overload or component failure. The Resistor will be opened quickly under continuous load, it prevents circuit board from damage and fire hazards.

### FEATURES :

Wide Range availability  
 Non combustible insulating coat  
 Excellent application in high temperature  
 Suitable for transient protection  
 Uniform in Fusing time  
 Customers specified fusing time is also available

### Fusing Characteristics

Resistance Range	Fusing Power
0.22R to 1R	32 x Rated Power
1.1R to 2R	25 x Rated Power
2.1R to 10R	16 x Rated Power
12R to 10K	12 x Rated Power
Fusing time within 60 seconds	



### SPECIFICATION

*All dimensions are in mm*

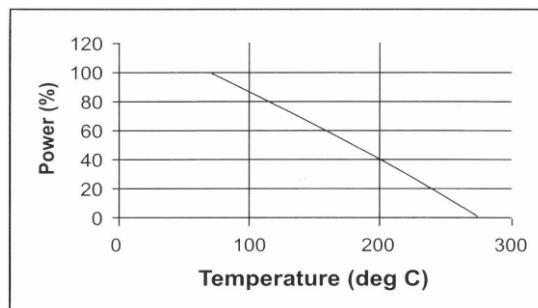
TYPE	Wattage	L	D	l	d	Working Voltage	Resistance Range	TCR
OFR 0.5	0.5 W	6.3 ± 0.5	2.5 ± 0.5	26.5 ± 0.5	0.56 ± 0.05	250V	1R to 10K	200

### PERFORMANCE CHARACTERISTIC

*Requirement Shall not Exceed*

Resistance Value	2.2 Ohms
Tolerance	±5%
Short Term Overload (2 x Rated voltage - 5 Sec)	Delta R ± (2.0% +0.05 Ohms)
Load Life (Rated at 25°C 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R ± (5.0% +0.05 Ohms)
Temperature Cycling (-30 /+85, 5 cycles)	Delta R ± (1% +0.05 Ohms)
Insulation Resistance (at 500V for 1 Min)	Shall not be less than 10 000 M Ohms
DWV Test	Delta R ± (0.5% +0.05 Ohms) & No Flash over at 500V
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)
Incombustibility ( 16 times of rated wattage for 5 min)	Not flamed

### Derating Curve



**Ordering Info: OFR 0.5 2R2 J 200 PPM**

\*Specifications is subject to change without notice