

Metal Film Resistors

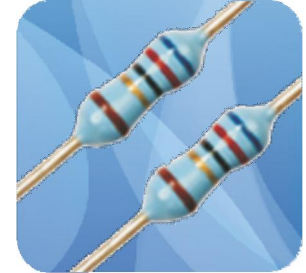
OMF Series

Description: -

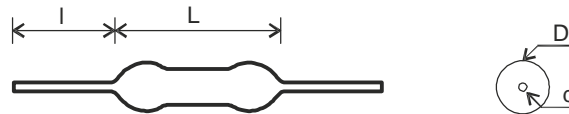
A homogeneous Film of Nicrom alloy is sputtered deposited on 85 to 96% Alumina Ceramic Rods and conditioned to achieve the desired TCR

Features: -

- Wide Range of Resistors
- Low TCR upto 5 ppm/°C
- Low Tolerances up to ± 0.01%
- Pulse withstanding design available
- Flame proof coating available
- RoHS Compliant
- Custom Built Design and values available



Dimensions and Specifications: -



TYPE	WATTAGE	L	D	I	d	Working Voltage	Resistance Range	TCR
OMF125	0.125W	3.7 ± 0.2	1.7 ± 0.2	25 ± 0.2	0.45 ± 0.02	200V	1R to 4M7	5, 10, 15, 25, 50, 100
OMF25	0.25W	6.5 ± 0.5	2.3 ± 0.2	25 ± 0.2	0.60 ± 0.02	250V	1R to 4M7	5, 10, 15, 25, 50, 100
OMM50/60	0.5W	6.5 ± 0.5	2.3 ± 0.2	25 ± 0.2	0.60 ± 0.02	250V	1R to 4M7	5, 10, 15, 25, 50, 100
OMF50	0.5W	9.5 ± 0.5	3.5 ± 0.2	25 ± 0.2	0.60 ± 0.02	350V	1R to 4M7	5, 10, 15, 25, 50, 100
OMM100	1W	9.5 ± 0.5	3.5 ± 0.2	25 ± 0.2	0.60 ± 0.02	350V	1R to 4M7	5, 10, 15, 25, 50, 100
OMF100	1W	12.0 ± 1	4.5 ± 1	25 ± 0.2	0.80 ± 0.02	500V	1R to 4M7	5, 10, 15, 25, 50, 100
OMF200	2W	16.0 ± 1	5.5 ± 1	25 ± 0.2	0.80 ± 0.02	500V	1R to 4M7	5, 10, 15, 25, 50, 100

Performance Characteristic: -

Requirement Shall not Exceed

Short Term Overload (2.5 x Rated voltage - 5 Sec)	Delta R ± (0.5% +0.05 Ohms)
Load Life (Rated at 70°C 1000 Hrs 1.5/0.5 Hr ON/OFF)	Delta R ± (1.0% +0.05 Ohms)
Temperature Cycling (-55 /+155, 5 cycles)	Delta R ± (0.5% +0.05 Ohms)
Insulation Resistance (at 500V for 1 Min)	Shall not be less than 10 000 M Ohms
DWV Test (2 x Limiting voltage - 1 Min)	Delta R ± (0.5% +0.05 Ohms)
Resistance Soldering Heat (260°C 10 Sec)	Delta R ± (0.5% +0.05 Ohms)
Solderability (Solder bath dip - 5 Sec) Temp. 230°C ± 5°C	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 ± (1.0% +0.05 Ohms)
Vibration (10 to 2000 Hz)	Delta R ± (0.5% +0.05 Ohms)
Shock (1 Km/S ²)	Delta R ± (0.5% +0.05 Ohms)
Low Temp Operation (-55°C 2 Hrs without Loading)	Delta R ± (0.5% +0.05 Ohms)
High Temp Operation(+155°C 16 Hrs without Loading)	Delta R ± (1.0% +0.05 Ohms)
Terminal Strength (Bending, Tensile)	Delta R ± (0.25% +0.05 Ohms) & No Mech. Damage

Ordering Information: -

OMF25 100K 1% 50 PPM T/R

*Specifications is subject to change without notice

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