

Metal Oxide Series Resistors



Product Name : METAL OXIDE FILM RESISTORS

Description

INTRODUCTION:

series is a group of electric power type highly reliable fixed resistors with special metal oxide film thermochemically burned on the high heat conductive base material. They include those of flame-resisting coating type and nonflammable coating type and they owing to their uniform quality produced through the most modern production and quality control system, are most reliable products able to use easily for various kinds of electronic devices and instruments.

FEATURES:

Electrical and mechanical stability and high reliability.

Best resistive to heat, humidity and noncombustible.

Annual shift is the lowest for the strengthen metal oxide film .

Low noise ,with high resistance value which wire wound type can not be produced.

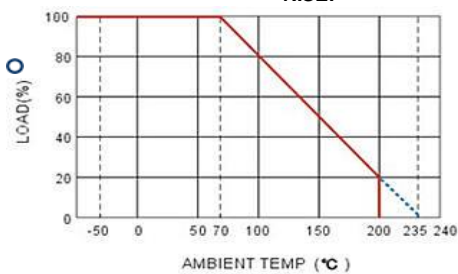
DIMENSIONS:



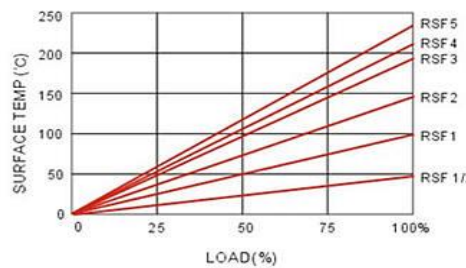
GENERAL SPECIFICATIONS:

TYPE	MOR	L	DIMENSION (mm)			MAX WORKING VOLTAGE	MAX OVERLOAD VOLTAGE	RESISTANCE RANGE
			D	d	H(MIN)			±5%(J) ±2%(G)
MOR-12	1/8W	3.7±0.4	1.8±0.2	0.46±0.02	27	200	400	0.1Ω~10MΩ
MOR-25	1/4W	6.8±0.5	2.5±0.2	0.53±0.03	27	250	500	0.1Ω~10MΩ
MOR-50	1/2W	9.0±1.0	3.5±0.5	0.58±0.02	25	300	600	0.1Ω~10MΩ
MOR-100	1W	12±1.0	4.5±0.5	0.8±0.03	30	350	700	0.1Ω~10MΩ
MOR-200	2W	16±1.0	5.0±0.5	0.8±0.03	30	350	700	0.1Ω~10MΩ
MOR-300	3W	18±1.0	6.0±0.5	0.8±0.03	30	500	1000	0.1Ω~10MΩ
MOR-500	5W	25±1.0	8.5±0.5	0.8±0.03	30	750	1000	0.1Ω~10MΩ

DERATING CURVE:



SURFACE TEMP RISE:



Resistance to Soldering Heat	$\Delta R_{max} \leq \pm(1\%+0.05\Omega)$	5.5-A	
Temp. Cycling	$\Delta R_{max} \leq \pm(1\%+0.05\Omega)$	6.4. 350°C 3 Sec	METHOD 210
Moisture Resistance	$\Delta R_{max} \leq \pm(1\%+0.05\Omega)$	7.4. -55°C/85°C, 5 cycles	METHOD 107
Load Life	$\Delta R_{max} \leq \pm 5\%$	7.9 95% RH on-off 1,000hr	METHOD 106
Dielectric Withstanding Voltage	$\Delta R_{max} \leq \pm(0.5\%+0.05\Omega)$	7.10 70°C on-off 1,000hr	METHOD 108
Insulation Resistance	>104 MΩ	5.7-A	METHOD 301
Non- Combustibility	The resistor shall withstand Overload test in accordance with Article UL 492.2.13 without producing a fire hazard		

*NOTE: TCR±200 PPM is also available , consult to factory.