

RMF Series

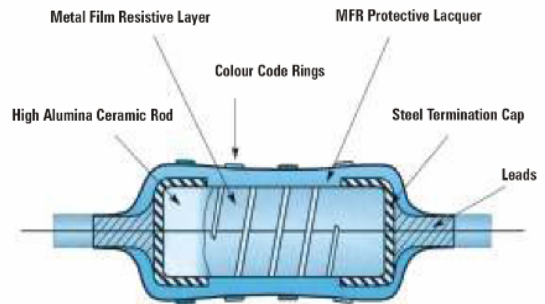
Film Resistors



Features:

- Meet Performance Requirements of JSS Std. & MIL Std.
- Miniature Size available for space savings.
- Available ranges from 10 ohm to 1M ohm.
- Values below range available on request.
- Flameproof Coating Available on request.
- TCR available 25,50,100ppm/°C.

Construction:



SPECIFICATIONS

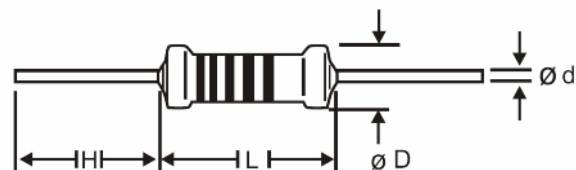
TYPE	POWER RATING	TOL (±)	DIMENSION (mm)				Max. Working Voltage	Max. Overload Voltage
			L	D	H (min)	d		
RMF125	0.125W	1%,2%,5%	3.3 ±0.5	1.7 ±0.2	28	0.45 ±0.05	200V	400V
RMFS40	0.4W	1%	3.3 ±0.5	1.7 ±0.2	28	0.45 ±0.05	200V	400V
RMF25	0.25W	1%,2%,5%	6.5 ±0.5	2.3 ±0.2	25	0.60 ±0.05	250V	500V
RMFS60	0.6W	1%	6.5 ±0.5	2.3 ±0.2	25	0.60 ±0.05	250V	500V
RMF50	0.5W	1%,2%,5%	9.5 ±1	3.5 ±0.5	25	0.60 ±0.05	350V	700V
RMFS100	1W	1%,5%	9.5 ±1	3.5 ±0.5	25	0.60 ±0.05	350V	700V
RMF100	1W	1%,5%	12 ±1	4.5 ±0.5	25	0.80 ±0.05	500V	1000V
RMFS200	2W	1%,5%	12 ±1	4.5 ±0.5	25	0.80 ±0.05	500V	1000V

Ordering Information

Part Number - Resistance - Tolerance - TCR

Example: RMF50 1.1K 5% 25ppm

(Note: If no TCR is specified / the highest value will be supplied)



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Performance Data

TEST	PROCEDURE	SPEC.
Dielectric Withstanding Voltage	V - Block Method, 3X Rated Voltage Duration: 1min.	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
Insulation Resistance	V - Block Method, DC 500V Duration: 1min.	$> 10,000 \text{ M ohm}$
Temp Cycling	5 cycles of -65°C, 25°C, 155°C, 25°C	$\Delta R = (1\% + 0.05 \text{ ohm})$
Short Time Overload	2.5 X Rated Voltage Duration: 5 seconds	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
Damp Heat Steady State	40°C 95% relative humidity, Duration: 56 Days	$\Delta R = (1\% + 0.05 \text{ ohm})$
Load Life	Rated Voltage at 70°C ambient Duration: 2000 hours	$\Delta R = (1\% + 0.05 \text{ ohm})$
Robustness of Terminations	Tensile: 10N Duration: 10 sec. Bending: 180°, > 3 bends Torsion: 3 rotation of 360° each	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
Resistance to Soldering Heat	Temp. 260°C \pm 5°C Duration: 10 seconds	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
Shock (Medium Impact)	1 Km/S ²	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
Vibration (High Frequency)	10 to 2000Hz: m/S ²	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
Low Temp. Exposure	at -65°C Duration: 2 Hrs	$\Delta R = (0.25\% + 0.05 \text{ ohm})$
High Temp. Exposure	at +155°C Duration: 16 Hrs. No Load Condition	$\Delta R = (1\% + 0.05 \text{ ohm})$
Solderability	Dip Method, Solder bath Temp. 230°C \pm 5°C. Duration: 5 sec.	95% coverage
Resistance to Solvent	Solvent: Trichloroethylene Duration: 3 min.	Marking should be legible

