

**Metal Oxide Film Resistors
Type RMO Series**

△ Features

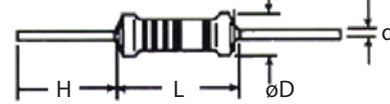
- Special metal oxide film thermochemically burned on
- High heat conductive base material
- Electrical and mechanical stability and high reliability
- Coating and marking resist trichlorethylene freon and clearing agents
- 1/2-3W apply color code

△ Applications

- Easily used for various kinds of medical, telecom and electronic devices and instruments.

△ Specifications

Dimensions

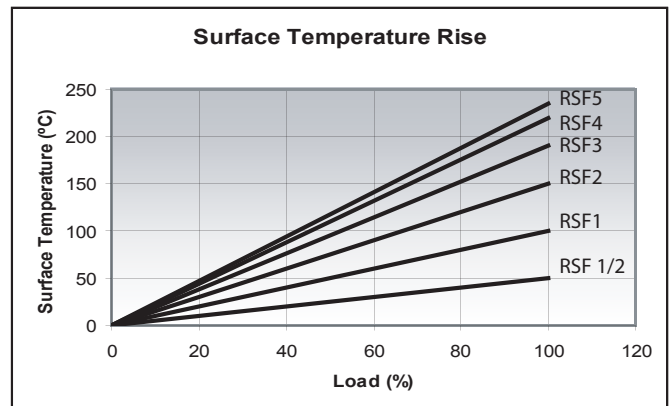
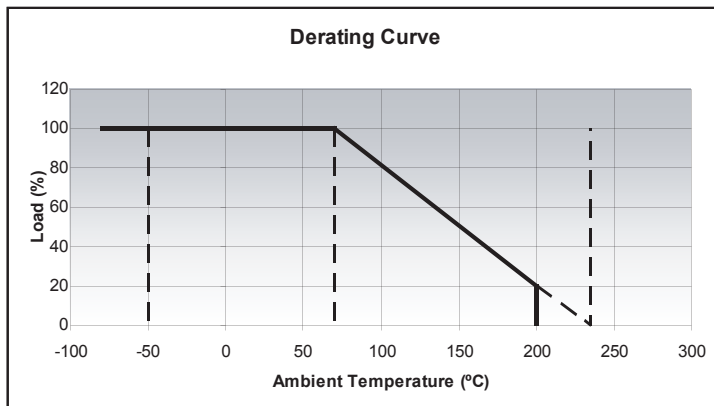


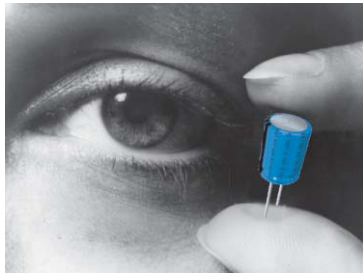
All Liberty Resistors uses the highest quality tin coated copper leads. The leads are rated at the below **MAXIMUM** soldering temperature and soldering time.

MAXIMUM soldering temperature/time
350°C 3sec
235°C 2min

Part	Type	DIMENSION(mm)				Max Working Voltage	Max Overload Voltage	Resistance Range ±5% (J)
		L	D	d	H(MIN)			
RMO-12	1/8W	3.7±0.4	1.8±0.2	0.46±0.02	27	200V	400V	0.1Ω-1M Ω
RMO-25	1/4W	6.8±0.5	2.5±0.2	0.58±0.02	27	250V	500V	0.1Ω-1M Ω
RMO-51	1/2W	9±1	3.0±0.5	0.68±0.02	25	300V	600V	0.1Ω-1M Ω
RMO-100	1W	12±1	4.5±0.5	0.8±0.03	30	350V	700V	0.1Ω-1M Ω
RMO-200	2W	16±1	5±0.5	0.8±0.03	30	350V	700V	0.1Ω-1M Ω
RMO-300	3W	18±1	6±0.5	0.8±0.03	30	500V	1000V	0.1Ω-1M Ω
RMO-500	5W	25±1	8.5±0.5	0.8±0.03	30	750V	1000V	0.1Ω-1M Ω

Part	Small Type	DIMENSION(mm)				Max Working Voltage	Max Overload Voltage	Resistance Range ±5% (J)
		L	D	d	H(MIN)			
RMO-20	1/4WS	3.7±0.4	1.8±0.2	0.46±0.02	27	250V	500V	0.1Ω-1M Ω
RMO-52	1/2WS	6.8±0.5	2.5±0.2	0.58±0.02	27	300V	600V	0.1Ω-1M Ω
RMO-101	1WS	9±1	3.0±0.5	0.68±0.02	25	350V	700V	0.1Ω-1M Ω
RMO-201	2WS	12±1	4.5±0.5	0.8±0.03	30	350V	700V	0.1Ω-1M Ω
RMO-301	3WS	16±1	5±0.5	0.8±0.03	30	500V	1000V	0.1Ω-1M Ω
RMO-501	5WS	18±1	6±0.5	0.8±0.03	30	750V	1200V	0.1Ω-1M Ω
RMO-701	7WS	25±1	8.5±0.5	0.8±0.03	30	800V	1500V	0.1Ω-1M Ω





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Δ Characteristics

Requirements	Performance	Test Method	
		JIS-C-5202	MIL-STD-202
Operating Temp. Range	±55°C ~ +155°C	-	-
Temp. Coefficient (ppm/°C)	±350*	5.2	Method 304
Short Time Overload	ΔRmax ≤ ± (1% 0.05Ω)	5.5-A	-
Resistance to Soldering Heat	ΔRmax ≤ ± (1% 0.05Ω)	6.4. 350°C 3 Secs.	Method 210
Temp. Cycling	ΔRmax ≤ ± (1% 0.05Ω)	7.4 -55°C /85°C, 5 Cycles	Method 107
Moisture Resistance	ΔRmax ≤ ± 5%	7.9 95%RH On-Off 1,000Hr	Method 106
Load Life	ΔRmax ≤ ± 5%	7.10 70°C On-Off 1,000Hr	Method 108
Dielectric Withstanding Voltage	ΔRmax ≤ ± (0.05% 0.05Ω)	5.7-A	Method 301
Insulation Resistance	>10000MΩ	5.6-A	-
Non-Combustibility	The resistor shall withstand overload test in accordance with article UL492.2.13 without producing a fire hazard.		

Fixed Component Resistors

Δ Part Numbering

