



Resistors & Potentiometers

1/2W Metal Film Resistors

Detailed product specifications are available on: us.100y.com.tw

Part No.	Product No.	Description	Resistance data(Ω)	Tolerance(+/-)	Power W
21757	RM02680KFT	Metal Film Resistor	680K ohm	+/-1 %	1/2W
21719	RM0268K0FT	Metal Film Resistor	68K ohm	+/-1%	1/2W
21681	RM026K80FT	Metal Film Resistor	6.8K ohm	+/-1%	1/2W
21653	RM02845EFT	Metal Film Resistor	845 ohm	+/-1%	1/2W
21683	RM028K66FT	Metal Film Resistor	8.66K ohm	+/-1%	1/2W
21721	RM0291K0FT	Metal Film Resistor	91K ohm	+/-1%	1/2W

2W Metal Film Resistors

Detailed product specifications are available on: us.100y.com.tw

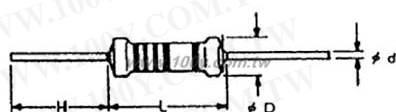


INTRODUCTION

MF series is a group of metal film resistors applying high Aluminum content base material vacuum sputtered by Ni-Cr alloy and excellent heat-and wet-proof special resin for protective coating. Those resistors are manufactured through integrated automatic production system and then have good stable and uniform property. Furthermore, they show excellent performance regardless open in air.

FEATURES

- High stability.
- Low noise, Low temperature coefficient.
- Precision characteristics.
- Variety of packaging-bulk, and taped, cut and formed supplied.



SPECIFICATION

TYPE		MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE		TYPE		DIMENSION(mm)			
MF	MFS			±1%(F)	±0.5%(D)	MF	MFS	L±1	D±0.5	H±3	d±0.05
2W	2W	500V	1000V	10R~1M	10R~1M	2W	3W	15	5.0	30	0.8

DIMENSION

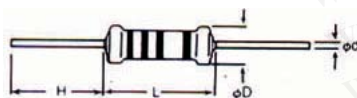
CHARACTERISTICS

CHARACTERISTIC	SPECIFICATION	TEST METHOD
DC RESISTANCE	Within specified tolerance	MIL-STD-202 Method 303
TEMPERATURE COEFFICIENT	As buyer requested ±10ppm/°C±50ppm/°C ±10ppm/°C±50ppm/°C	MIL-STD-202 Method 304
DIELECTRIC STRENGTH	No flashover or damage	MIL-STD-202 Method 301
INSULATION RESISTANCE	At least 1,000MΩ	MIL-STD-202 Method 302
CURRENT NOISE TEST	below 10K; below 0.05μ V/V 10K;~below 0.1μ V/V below 1M7 below 0.2μ V/V	MIL-STD-202 Method 308
VIBRATION	ΔR with in ±(0.25%+0.05Ω)	MIL-STD-202 Method 201
TERMINAL STRENGTH	Lead is not break or loose	MIL-STD-202 Method 211
RESISTANCE TO SOLDERING HEAT	ΔR with in ±(0.25%+0.05Ω)	MIL-STD-202 Method 210
SOLDERABILITY	At least 95% coverage	MIL-STD-202 Method 208
THERMAL SHOCK	ΔR with in ±(0.5%+0.05Ω)	MIL-STD-202 Method 107
SHORT TIME OVERLOAD	ΔR with in ±(0.05%+0.05Ω)	MIL-R-10509
HUMIDITY	ΔR with in ±(1%+0.05Ω) No mechanical damage	MIL-STD-202 Method 103
LOW TEMPERATURE OPERATION	Δ R with in ±(0.5%+0.05Ω)	MIL-R-10509
LOAD LIFE	Δ R with in ±(1%+0.05Ω)	MIL-STD-202 Method 108
RESISTANCE TO SOLVENT	Color bands legible No mechanical damage	MIL-STD-202 Method 215

Part No.	Product No.	Description	Resistance data (Ω)	Tolerance (±)	Power W
33220	RM2W250EDT	Metal Film Resistor	250Ω	+/-0.5%	2W

Metal Oxide Resistor 1/4W Metal Oxide Film Resistor

Detailed product specifications are available on: us.100y.com.tw



INTRODUCTION

Through the developments of electronic equipments and computerized devices, it has been urging all kinds of components to minimization, light-weight, durability, high stability and reliability. To keep quality stable under high temperature operation, the per unit film area shall take large load. Metal Oxide Film resistors is the one that can satisfy the requirements

MOS: Small-sized metal oxide film resistors, using selected ceramic, with high performance which is suitable for compact sets. .

FEATURES

- Small in size comparatively
- Electrical and mechanical stability and high reliability.
- Nonflame painting, "Solvent" proof, resistant to heat & humidity.
- Annual shift is low for the strengthened metal oxide film.
- Low noise: can produce high resistance value which wire wound resistors can not reach

SPECIFICATION

DIMENSION

TYPE		MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE	TYPE		DIMENSION(mm)			
MO	MOS				MO	MOS	L±1	D±0.5	d±0.1	H(MIN)
1/4W	—	250V	500V	10-1M	1/4W	1/2W	6.3	2.3	0.5	25



T E L : Taiwan : 886-3-5753170
 F A X : Taiwan : 886-3-5753172
 E-mail : Taiwan : us_sale@100y.com.tw

Shenzhen : 86-755-83298787
 Shenzhen : 86-755-83640655
 Shenzhen : 100y@163.com

Shanghai : 86-21-54151736
 Shanghai : 86-21-64605107
 Shanghai : 100y-1@163.com