



Resistors & Potentiometers

1/4W Metal Film Resistors

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

INTRODUCTION

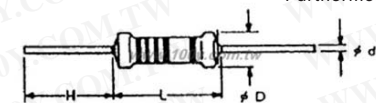
MF series is a group of metal film resistors applying high Aluminum content base material vacuum sputtered by Ni-Cr alloy and excellent heat-and wet-proof special resin for protective coating. Those resistors are manufactured through integrated automatic production system and then have good stable and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

DIMENSION

SPECIFICATION



TYPE	MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE		TYPE		DIMENSION(mm)			
			±1%(F)	±0.5%(D)	MF	MFS	L±1	D±0.5	H±3	d±0.05
1/4W	250V	500V	10R~1M	10R~1M	1/4W	1/2W	6.3	2.4	28	0.56

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

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(+/-)	Power W
20421	RM043K83FT		Metal Film Resistor	3.83K ohm	+/-1%	1/4W
20858	RM04402KFT		Metal Film Resistor	402K ohm	+/-1%	1/4W
20860	RM04412KFT		Metal Film Resistor	412K ohm	+/-1%	1/4W
20862	RM04422KFT		Metal Film Resistor	422K ohm	+/-1%	1/4W
17747	RM04432EFT		Metal Film Resistor	432 ohm	+/-1%	1/4W
20864	RM04432KFT		Metal Film Resistor	432K ohm	+/-1%	1/4W
20866	RM04442KFT		Metal Film Resistor	442K ohm	+/-1%	1/4W
20868	RM04453KFT		Metal Film Resistor	453K ohm	+/-1%	1/4W
20870	RM04464KFT		Metal Film Resistor	464K ohm	+/-1%	1/4W
23469	RM04470EFT	LIKET	Metal Film Resistor	470	+/-1%	0.25
16354	RM04470KFT		Metal Film Resistor	470K ohm	+/-1%	1/4W
20872	RM04475KFT		Metal Film Resistor	475K ohm	+/-1%	1/4W
16346	RM0447E0FT		Metal Film Resistor	47 ohm	+/-1%	1/4W
16352	RM0447K0FT		Metal Film Resistor	47K ohm	+/-1%	1/4W
20874	RM04487KFT		Metal Film Resistor	487K ohm	+/-1%	1/4W
17264	RM04499EFT		Metal Film Resistor	499 ohm	+/-1%	1/4W
16816	RM04499KFT		Metal Film Resistor	499K ohm	+/-1%	1/4W
16344	RM0449E9FT		Metal Film Resistor	49.9 ohm	+/-1%	1/4W
18826	RM0449K9FT		Metal Film Resistor	49K9 ohm	+/-1%	1/4W
20423	RM044K02FT		Metal Film Resistor	4.02K ohm	+/-1%	1/4W
20425	RM044K42FT		Metal Film Resistor	4.42K ohm	+/-1%	1/4W
17472	RM044K70FT		Metal Film Resistor	4.7K ohm	+/-1%	1/4W
17459	RM044K75FT		Metal Film Resistor	4.75K ohm	+/-1%	1/4W
24016	RM044K99FT	LIKET	Metal Film Resistor	4.99K ohm	+/-1%	1/4W
17262	RM044K99FT		Metal Film Resistor	4.99K ohm	+/-1%	1/4W
17519	RM044M99FT		Metal Film Resistor	4.99M ohm	+/-1%	1/4W
20876	RM04511KFT		Metal Film Resistor	511K ohm	+/-1%	1/4W
16360	RM0451E1FT		Metal Film Resistor	51.1 ohm	+/-1%	1/4W
20729	RM0451K1FT		Metal Film Resistor	51.1K ohm	+/-1%	1/4W
20878	RM04523KFT		Metal Film Resistor	523K ohm	+/-1%	1/4W
20880	RM04536KFT		Metal Film Resistor	536K ohm	+/-1%	1/4W
20204	RM0453E6FT		Metal Film Resistor	53.6 ohm	+/-1%	1/4W
20731	RM0453K6FT		Metal Film Resistor	53.6K ohm	+/-1%	1/4W
20882	RM04549KFT		Metal Film Resistor	549K ohm	+/-1%	1/4W
20733	RM0454K9FT		Metal Film Resistor	54.9K ohm	+/-1%	1/4W
20884	RM04562KFT		Metal Film Resistor	562K ohm	+/-1%	1/4W
20205	RM0456E2FT		Metal Film Resistor	56.2 ohm	+/-1%	1/4W

