



Resistors & Potentiometers

1/4W Metal Oxide Film Resistor

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

CHARACTERISTICS

REQUIREMENTS	PERFORMANCE	TEST METHOD	
		JIS-C-5202	MIL-STD-202
Operating Temp. Range	-55°C~+155°C	—	—
Temp. Coefficient(ppm/°C)	± 300	5.2	METHOD 304
Short Time Overload	$\Delta R_{max} \leq \pm(1\%+0.050)$	5.5-A	—
Resistance to Soldering Heat	$\Delta R_{max} \leq \pm(1\%+0.050)$	6.4.350°C3 Sec	METHOD 304
Temp. Cycling	$\Delta R_{max} \leq \pm(1\%+0.050)$	7.4.-55°C/85°C.5 cycles	METHOD 210
Moisture Resistance	$\Delta R_{max} \leq \pm 5\%$	7.9 95%RH on-off 1.000 hr	METHOD 107
Load Life	$\Delta R_{max} \leq \pm 5\%$	7.10 70°C on-off 1.000 hr	METHOD 106
Dielectric Withstanding Voltage	$\Delta R_{max} \leq \pm(0.5\%+0.050)$	5.7-A	METHOD 108
Insulation Resistance	>10 ⁴ MO	5.6-A	METHOD 301
Non-Combustibility	The resistor shall withstand Overload test in accordance with Article UL 492.2 13 without producing a fire hazard.		

Part No.	Product No.	Description	Resistance data (Ω)	Tolerance (±)	Power
32160	RO1/4W22EJT	Metal Oxide Film Resistor	22 ohm	±1%	1/4W

1W Metal Oxide Film Resistor

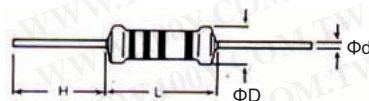
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INTRODUCTION

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	L±1	D±0.5	d±0.1	H (MIN)	
1W	300V	600V	±5%(J)	1W	2W	12	4.5	0.75	27	

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Part No.	Product No.	Description	Resistance data (Ω)	Tolerance (±)	Power
33738	RO1W0E10JT	Metal Oxide Film Resistor	0.1 ohm	+/-5%	1W
33739	RO1W0E22JT	Metal Oxide Film Resistor	0.22 ohm	+/-5%	1W
23962	RO1W0E2EJT	Metal Oxide Film Resistor	0.2 ohm	+/-5%	1W
33740	RO1W0E33JT	Metal Oxide Film Resistor	0.33 ohm	+/-5%	1W
25779	RO1W100EJT	Metal Oxide Film Resistor	100 ohm	+/-5%	1W
16528	RO1W100EJT	Metal Oxide Film Resistor	100 ohm	+/-5%	1W
33748	RO1W100KJT	Metal Oxide Film Resistor	100K ohm	+/-5%	1W
33745	RO1W10E0JT	Metal Oxide Film Resistor	10 ohm	+/-5%	1W
33742	RO1W1E00JT	Metal Oxide Film Resistor	1 ohm	+/-5%	1W
33747	RO1W1K00JT	Metal Oxide Film Resistor	1K ohm	+/-5%	1W
33743	RO1W2E00JT	Metal Oxide Film Resistor	2 ohm	+/-5%	1W
33750	RO1W33E0JT	Metal Oxide Film Resistor	33 ohm	+/-5%	1W

