



Resistors & Potentiometers

5W 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
18065	MO5W510K0JT	5W Metal Oxide Film Resistor	510K ohm	+/-5%	5W
28791	RM5W0E27FT	Metal Oxide Film Resistor	0.27 ohm	+/-1%	5W
17436	RM5W2K70FT	Metal Oxide Film Resistor	2.7K ohm	+/-1%	5W
15101	RO5W0E27JT	Metal Oxide Film Resistor	0.27ohm	+/-5%	5W
17433	RO5W100EFT	Metal Oxide Film Resistor	100 ohm	+/-1%	5W
17434	RO5W1E00FT	Metal Oxide Film Resistor	1 ohm	+/-1%	5W
23960	RO5W22K0JT	Metal Oxide Film Resistor	22K ohm	+/-5%	5W
17435	RO5W2E00FT	Metal Oxide Film Resistor	2 ohm	+/-1%	5W
17437	RO5W8E00FT	Metal Oxide Film Resistor	82 ohm	+/-1%	5W

Resistor Networks DIP Resistor Networks

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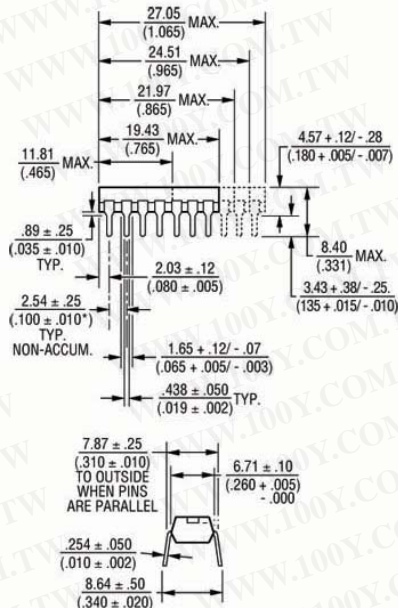


Features

- Compatible with automatic insertion equipment
- Superior package integrity
- Marking on contrasting background for permanent identification

Product Characteristics

Resistance Range	10 ohms to 10 megohms
Maximum Operating Voltage	100V
Temperature Coefficient of Resistance	50Ω to 2.2 MΩ : ±100ppm/°C below 50Ω : ±250ppm/°C above 2.2 MΩ : ±250ppm/°C
TCR Tracking	50ppm/°C maximum; equal values
Resistor Tolerance	See circuits
Operating Temperature	-55°C to +125°C
Insulation Resistance	10,000 megohms minimum
Dielectric Withstanding Voltage	200 VRMS
Lead Solderability	Meet requirements of MIL-STD-202 Method 208



Physical Characteristics

Flammability	Conforms to UL94V-0
Lead Frame Material	Copper, solder coated
Body Material	Novolac epoxy



Environmental Characteristics

TESTS PER MIL-STD-202	ΔR MAX.
Short Time Overload	±0.25%
Load Life	±1.00%
Moisture Resistance	±0.50%
Resistance to Soldering Heat	±0.25%
Terminal Strength	±0.25%
Thermal Shock	±0.25%

Part No.	Product No.	Manufacturer	Description	Resistance(Ω)	Tolerance(±)
36961	4116R-001-101	Bourns	RESISTOR NETWORK	100Ω	+5%
36983	4116R-001-102	Bourns	RESISTOR NETWORK	1000Ω	+5%
44994	4116R-001-103	Bourns	RESISTOR NETWORK	10KΩ	+5%
37035	4116R-001-104	Bourns	RESISTOR NETWORK	100KΩ	+5%
37051	4116R-001-105	Bourns	RESISTOR NETWORK	1000KΩ	+5%
36941	4116R-001-110	Bourns	RESISTOR NETWORK	10Ω	+5%

