

Resistors & Potentiometers

2512 Chip Resistors -(1W)

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

CHARACTERISTICS

		RC2512 1W	
Operating Temperature Range		-55 °C to +155 °C	
Maximum Working Voltage		200 V	
Maximum Overload Voltage		500 V	
Dielectric Withstanding Voltage		500 V	
Resistance Range		5% (E24) 1 Ω to 22 MΩ Zero Ohm Jumper < 0.05 Ω	1% (E96) 1 Ω to 10 MΩ
Temperature Coefficient		10 Ω < R ≤ 10 MΩ R ≤ 10 Ω; R > 10 MΩ	±100 ppm/°C ±200 ppm/°C
Jumper Criteria		Rated Current Maximum Current	2.0 A 10.0 A

ENVIRONMENTAL DATA

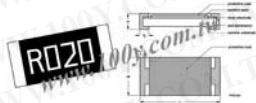
For material declaration information (IMDS-data) of the products, please see the separated info "Environmental data".



Part No.	Product No.	Manufacturer	Description	Resistance (Ω)	Tolerance (±)	Package
46699	RC2512JK-071R8L	YAGEO	SMD 2512 Resistor	1.8 ohm	+/-5%	4000pcs/R
47992	RC2512JK-076R8L	YAGEO	SMD 2512 Resistor	6.8 ohm	+/-5%	4000pcs/R

CONSTRUCTION

The resistors are constructed out of a high-grade ceramic body. Internal metal electrodes are added at each end and connected by a resistive paste. The composition of the paste is adjusted to give the approximate required resistance and laser cutting of this resistive layer that achieves tolerance trims the value. The resistive layer is covered with a protective coat and printed with the resistance value. Finally, the two external terminations (matte tin) are added. See fig. 4.



TYPE	RL2512
L (mm)	6.35 ±0.10
W (mm)	3.20 ±0.15
H (mm)	0.55 ±0.10
l1 (mm)	0.60 ±0.20
l2 (mm)	0.50 ±0.20

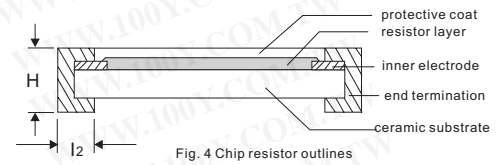
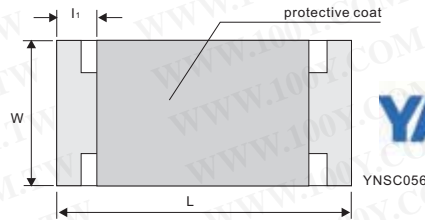


Fig. 4 Chip resistor outlines

Part No.	Product No.	Manufacturer	Description	Resistance (Ω)	Tolerance (±)	Package
40270	RL2512JK-07R33	YAGEO	SMD 2512 Resistor	0.33 ohm	+/-5%	4000pcs/R

Cermet Trimmers

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

TOCOS_GF06 Single-Turn Cermet Trimmer Potentiometers



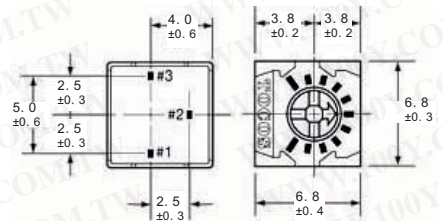
Features

- 1/4" square, single-turn, through-hole, sealed cermet trimmers
- Top and side adjust styles available
- Larger diameter rotor than GF06 series for easier adjustment
- Precious metal, multi-contact wiper design

- Cross-slot design allows automatic machine adjustment
- Meets UL 94V-0 flammability requirements
- Sealed to withstand wave soldering and immersion cleaning processes
- Taping available, reel or ammo packaging

Electrical Specifications

Standard Resistance Range	10Ω to 5MΩ (standard 1, 2 & 5 sequence)
Resistance Tolerance	±10% and ±20%
End Resistance	1% or 1Ω, whichever is greater
Resistance Taper	Linear
Peak Noise (C.R.V.)	1% or 1Ω, whichever is greater
Power Rating	0.5 watt at +70 °C, 0 watt at +125 °C
Maximum Input Voltage	250VDC or power rating, whichever is smaller
Temperature Coefficient	±100ppm/°C
Insulation Resistance	1,000MΩ minimum at 500VDC
Dielectric Strength	900VAC, 1 minute
Adjustment Travel	210° ±10°



GF063P Cross-Slot, Top Adjust, P Terminal Style



Mechanical Specifications

Mechanical Travel	250°±10°C
Shaft Torque	200 gf·cm (2.77 oz·in) max.
Stop Strength	500 gf·cm (6.93 oz·in) min.
Flammability of Plastic Materials	Meets UL 94V-0
Nominal Weight	0.4g
Marking	Resistance code, date code, model type

Environmental Specifications

Temperature Range	-55 °C to +125 °C
Low Temperature Operation	-55 °C, 0.5 watt, 2 hours ΔT/R ≤±2%, S.S. ≤±2%
High Temperature Exposure	+125 °C, 250 hours ΔT/R ≤±2%, S.S. ≤±2%
Load Life	+70 °C, 0.5 watt, 1,000 hours ΔT/R ≤±3%, S.S. ≤±2%
Thermal Shock	-55 °C, +125 °C, 30 minutes each, 5 cycles ΔT/R ≤±1%, S.S. ≤±1%
Shock	100G, 6ms, 6 directions, 3 times each ΔT/R ≤±1%, S.S. ≤±1%
Vibration	10-2,000Hz, 1.5mm amplitude, 20G, 12 hours ΔT/R ≤±1%, S.S. ≤±1%



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