

Resistors & Potentiometers

0805 Chip Resistors -(1/8W)

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

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Package
38803	RC0805FR-074R3	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	4.3 ohm	+/-1%	5000pcs/R
44823	RC0805FR-074R99	YAGEO	0805 Chip Resistors-Thick Film	4.99 ohm	+/-1%	5000pcs/R
47876	RC0805FR-07560RL	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	560 ohm	+/-1%	5000pcs/R
47871	RC0805FR-0760K4L	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	60.4K ohm	+/-1%	5000pcs/R
47872	RC0805FR-0769K8L	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	69.8K ohm	+/-1%	5000pcs/R
38807	RC0805FR-076K8	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	6.8K ohm	+/-1%	5000pcs/R
32531	RC0805FR-07732R	YAGEO	0805 SMD Resistor	732 ohm	+/-1%	5000pcs/R
40644	RC0805FR-0775R	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	75 ohm	+/-1%	5000pcs/R
11779	RC0805FR-0775R	YAGEO	0805 Chip Resistors-Thick Film	75 ohm	+/-1%	5000pcs/R
47873	RC0805FR-0780K6L	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	80.6K ohm	+/-1%	5000pcs/R
47874	RC0805FR-0790K9L	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	90.9K ohm	+/-1%	5000pcs/R
17000	RC0805JR-070R	YAGEO	0805 Chip Resistors-Thick Film	0 ohm	+/-5%	5000pcs/R
5390	RC0805JR-071K	YAGEO	0805 Chip Resistors-Thick Film	1K ohm	+/-5%	5000pcs/R
28585	RC0805JR-071K	YAGEO	0805 SMD Resistor	1K ohm	+/-5%	5000pcs/R
42941	RC0805JR-0720R	YAGEO	0805 Chip Resistors-Thick Film	20 ohm	+/-5%	5000pcs/R
6683	RC0805JR-07220R	YAGEO	0805 Chip Resistors-Thick Film	220 ohm	+/-5%	5000pcs/R
42940	RC0805JR-07220R	YAGEO	0805 Chip Resistors-Thick Film	220 ohm	+/-5%	5000pcs/R
42939	RC0805JR-0722K	YAGEO	SMD Resistor	22K ohm	+/-5%	5000pcs/R
14898	RC0805JR-072K2	YAGEO	0805 Chip Resistors-Thick Film	2.2K ohm	+/-5%	5000pcs/R



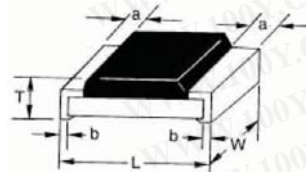
FEATURES

The chip resistor is metal glazed thick film on high purity ceramic substrate and by protective glass paste, it provides uniform quality and stable characteristic. Latest automated system plus high technology enable us to turn out quality product with competitive price.

- High reliability and stability
- Lower assembly costs
- Reduced size of final equipment
- Higher component and equipment reliability

Description

The resistors are constructed in a high grade ceramic body (aluminum oxide). Internal metal electrodes are added at each end and connected by a resistive paste that is applied to the top surface of the substrate. The composition of the paste is adjusted to give the approximate resistance required and the value is trimmed to within tolerance by laser cutting of this resistive layer. The resistive layer is covered with a protective coat. Finally, the two external and terminations are added. For ease of soldering the outer layer of these end terminations is a Lead-tin or Tin solder alloy.



STYLE	DIMENSIONS: (mm)				
	L	W	a	b	T
0805	2.10±0.10	1.30±0.10	0.40±0.20	0.40±0.20	0.50±0.05

CHARACTERISTICS

TEST ITEM	DESCRIPTION	TEST METHODS
Temperature Coefficient Of resistance	Temp: -55°C~±125°C Requirement: 5%1Ω~10Ω ≤ ±400PPM/°C 11Ω~≤200PPM/°C 1%10Ω~1mΩ ≤ ±100ppm/°C	JIS C 5202.....clause 5.2
		Natural resistance change per temperature degree centigrade. R2-R1 *10 ⁶ (PPM/°C) R1 (t2-t1)
Short-Time Over load	(WV)=√WR On5secs Requirement:(2.0%±0.1Ω)	JIS C 5202.....clause 5.5
		Permanent resistance change after the application of a potential of 2.5 time RCWV. Or the max. Over load voltage respectively specified in the above list, whichever less for 5 secs
Strength Bending	Y/X=5/ FOR 10secs Requirement: (1.0%±0.05Ω)	JIS C 5202.....clause Bending Test : y/x= / 1 time
Resistance to Soldering Heat	Test Temp: 260°C±5 °C For 10secs Requirement: (1.0%±0.05Ω)Max	JIS C 5202.....clause 6.4 Test temperature : 260±5°C Dip time : 10 secs
Temp cycling	-55°C(30mins)→+25°C(10~15mins) +125°C(30mins)→+25°C(10~15mins)5cycles Requirement:±(1.0%±0.05Ω)Max	JIS C 5202.....clause 7.4 Resistance change after continuous five cycles for duty cycle specified below
Humidity (stead state)	Temp:40°C±2°C R.H:90~95% Continuors 1000hrs Requirement:±(3.0%±0.1Ω)Max	JIS C 5202.....clause 7.5
		Temporary resistance change after 1000hours exercise in a humidity test chamber controlled at 40±2°C and 90% to 95% relative humidity.
Loading Life in Moisture	Temp: 40°C±2°C R.H:90~95% (WV)=√WR on-1.5hrs OFF+0.5hrs Continuors 1000hrs Requirement:±(3.0%±0.1Ω)Max	JIS C 5202.....clause 7.9
		Resistance change after 1000hours (1.5h "on"0.5h"off")at RCWV or max. less in a humidity chamber controlled at 40±2°C and 90%to95% relative humidity.
Load Life	Temp: 70°C±2°C (WV) = √WR Continuors 1000hrs ON-1.5hrs OFF-0.5hr Requirement:±(3.0%±0.1Ω)Max	JIS C 5202.....clause 7.10
		Resistance change after 1000hours operating at RCWV or msx. RCWV, which less with duty cycle of 1.5h "on"at 70±2°C ambient

