

Resistors & Potentiometers

0603 Chip Resistors (1/10W)

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



YAGEO

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. Finally, the two external terminations (Pure Tin) are added. See fig. 4

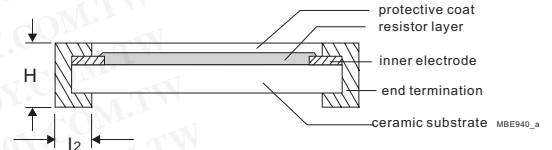
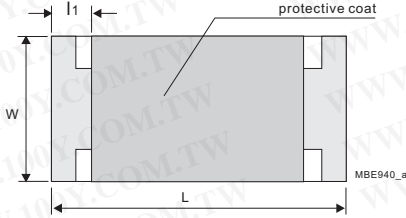


Fig. 4 Chip resistor construction



TYPE	RC0603
L (mm)	1.60 ±0.1
W (mm)	0.80 ±0.10
H (mm)	0.45 ±0.10
L1 (mm)	0.25 ±0.15
L2 (mm)	0.25 ±0.15

CHARACTERISTICS

RC0603 1/10W

Operating Temperature Range	-55 °C to +155 °C		
Maximum Working Voltage	50 V		
Maximum Overload Voltage	100 V		
Dielectric Withstanding Voltage	100 V		
Resistance Range	5% (E24) Zero Ohm Jumper	1 Ω to 22 MΩ < 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		1.0 A 2.0 A

Part No.	Product No.	Manufacturer	Description	Resistance(Ω)	Tolerance(±)	Package
17769	RC0603FR-073KL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	3K ohm	+/-1%	5000pcs/R
38786	RC0603FR-07402K	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	402K ohm	+/-1%	5000pcs/R
17800	RC0603FR-07430K	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	430K ohm	+/-1%	5000pcs/R
16741	RC0603FR-0747K	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	47K ohm	+/-1%	5000pcs/R
40091	RC0603FR-0747K5	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	47.5K ohm	+/-1%	5000pcs/R
24007	RC0603FR-0747R0	YAGEO	SMD Resistor	4.7Ω	±1%	5000pcs/R
17235	RC0603FR-0747RL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	47 ohm	+/-1%	5000pcs/R
17764	RC0603FR-07499RL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	499 ohm	+/-1%	5000pcs/R
12802	RC0603FR-0749R9	YAGEO	0603 Chip Resistors-Thick Film	49.9 ohm	+/-1%	5000pcs/R
16739	RC0603FR-074K7±1%	YAGEO	0603 Chip Resistors-Thick Film	4.7K ohm	+/-1%	5000pcs/R
38747	RC0603FR-074R7L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	4.7 ohm	+/-1%	5000pcs/R
40535	RC0603FR-074R99	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	4.99 ohm	+/-1%	5000pcs/R
22724	RC0603FR-07510K	YAGEO	0603 Chip Resistors-Thick Film	510K ohm	+/-1%	
38037	RC0603FR-0751K	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	51K ohm	+/-1%	5000pcs/R
20300	RC0603FR-0751R	YAGEO	0603 Chip Resistors-Thick Film	510 ohm	+/-1%	
38033	RC0603FR-0751RL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	51 ohm	+/-1%	5000pcs/R
40315	RC0603FR-0753K6L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	53.6K ohm	+/-1%	5000pcs/R
22068	RC0603FR-07560R	YAGEO	SMD Resistor	560 ohm	+/-1%	
40536	RC0603FR-07562R	YAGEO	0603 Chip Resistors-Thick Film	562ohm	+/-1%	5000pcs/R
40272	RC0603FR-0757K6L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	57.6K ohm	+/-1%	5000pcs/R
17775	RC0603FR-075K1	YAGEO	0603 Chip Resistors-Thick Film	5.1K ohm	+/-1%	
19414	RC0603FR-075K6L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	5.6K ohm	+/-1%	5000pcs/R
33199	RC0603FR-07619R	YAGEO	0603 Chip Resistors-Thick Film	619 ohm	+/-1%	5000pcs/R
36841	RC0603FR-0763K4	YAGEO	0603 Chip Resistors-Lead Free	63.4KΩ	+/-1%	5000PCS/R
37707	RC0603FR-07680KL	YAGEO	0603 SMD Resistor-Lead Free	680K ohm	+/-1%	5000pcs/R
37704	RC0603FR-0768KL	YAGEO	0603 SMD Resistor-Lead Free	68K ohm	+/-1%	5000pcs/R
37702	RC0603FR-0768RL	YAGEO	0603 SMD Resistor-Lead Free	68 ohm	+/-1%	5000pcs/R
23889	RC0603FR-076K04		0603 Chip Resistor (1/10W)	6.04K	+/-1%	5000pcs/R
22727	RC0603FR-076K5	YAGEO	SMD Resistor	6.2Kohm	+/-1%	
17241	RC0603FR-076K8L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	6.8K ohm	+/-1%	5000pcs/R
38252	RC0603FR-076R8	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	6.8 ohm	+/-1%	5000pcs/R
38034	RC0603FR-0775RL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	75 ohm	+/-1%	5000pcs/R
38036	RC0603FR-077K5L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	7.5K ohm	+/-1%	5000pcs/R
22069	RC0603FR-07820R	YAGEO	SMD Resistor	820 ohm	+/-1%	
36486	RC0603FR-07887K	YAGEO	0603 Chip Resistors	877KΩ	±1%	5000PCS/R
17777	RC0603FR-078K2L	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	8.2K ohm	+/-1%	5000pcs/R
39261	RC0603FR-078K45	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	8.45K ohm	+/-1%	5000pcs/R
20670	RC0603FR-079K09	YAGEO	0603 Chip Resistors-Thick Film	9.09K ohm	+/-1%	
19653	RC0603JR-070R	YAGEO	0603 Chip Resistors-Thick Film	0 ohm	+/-5%	5000pcs/R
16831	RC0603JR-071M	YAGEO	0603 Chip Resistors-Thick Film	1M ohm	+/-1%	5000pcs/R
38024	RC0603JR-071R	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	1 ohm	+/-5%	5000pcs/R
13602	RC0603JR-0722R	YAGEO	0603 Chip Resistors-Thick Film	22 ohm	+/-5%	5000pcs/R
20310	RC0603JR-07300K	YAGEO	0603 Chip Resistors-Thick Film	300K ohm	+/-1%	



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