

Resistors & Potentiometers

0603 Chip Resistors (1/10W)

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

Part No.	Product No.	Manufacturer	Description	Resistance(Ω)	Tolerance(±)	Package
24923	0603-62Ω±5%	LIKET	SMD 0603 Resistor	62 ohm	±5%	
24920	0603-75KΩ±5%	LIKET	SMD 0603 Resistor	75Kohm	±5%	
20149	0603-75Ω ±5%	LIKET	0603 Chip Resistors-Thick Film	75 ohm	+/-5%	5000Pcs/Roll
18108	0603-75Ω±1%	LIKET	0603 Chip Resistors-Thick Film	75 ohm	+/-1%	
24924	0603-75Ω±5%	LIKET	SMD 0603 Resistor	75 ohm	±5%	
23159	0603-787Ω±1%	LIKET	0603 Chip Resistors-Thick Film	787Ω	±1%	
31386	RP060E00FR	LIKET	0603 Chip Resistors Pb-Free	0Ω	±1%	5000pcs/R
20151	RP060E00JR	LIKET	0603 Chip Resistors-Thick Film	0 ohm	+/-5%	1R/5000pcs
20594	RP06100KFR	LIKET	0603 Chip Resistors-Thick Film	100K ohm	+/-1%	5000pcs/R
20152	RP0610K0FR	LIKET	0603 Chip Resistors-Thick Film	10K ohm	±1%	5000Pcs/Roll
20596	RP0610M0JR	LIKET	0603 Chip Resistors-Thick Film	10M ohm	+/-1%	5000pcs/R
20591	RP0617K4FR	LIKET	0603 Chip Resistors-Thick Film	17.4K ohm	+/-1%	5000pcs/R
20587	RP0622E0FR	LIKET	0603 Chip Resistors-Thick Film	22 ohm	+/-1%	
20597	RP0622K1FR	LIKET	0603 Chip Resistors-Thick Film	22.1K ohm	+/-1%	5000pcs/R
24066	0603-9.1KΩ±1%	LIKET	SMD Resistor	9.1KΩ	±1%	
20142	RP06249E9FR	LIKET	0603 Chip Resistors-Thick Film	2.49K ohm	+/-1%	1R/5000Pcs
20592	RP06249KFR	LIKET	0603 Chip Resistors-Thick Film	249K ohm	+/-5%	5000pcs/R
20588	RP062K21FR	LIKET	0603 Chip Resistors-Thick Film	2.21K ohm	+/-1%	
31395	RP062K55FR	LIKET	SMD 0603 Resistor	2.55K ohm	±1%	5000pcs/R
20593	RP0633E0JR	LIKET	0603 Chip Resistors-Thick Film	33 ohm	+/-5%	5000pcs/R
20146	RP0633E2FR	LIKET	0603 Chip Resistors-Thick Film	33.2 ohm	+/-1%	1R/5000Pcs
20589	RP06392EFR	LIKET	0603 Chip Resistors-Thick Film	392 ohm	+/-1%	5000pcs/R
24916	RP063E9FR	LIKET	0603 Chip Resistors-Thick Film	3.9K ohm	+/-5%	
20148	RP0649E9FR	LIKET	0603 Chip Resistors-Thick Film	49.9 ohm	+/-1%	1R/5000pcs
31393	RP064K32FR	LIKET	SMD 0603 Resistor	4.32K ohm	±1%	5000pcs/R
31396	RP0651E0FR	LIKET	0603 Chip Resistors (1/10W)	51 ohm	±1%	5000pcs/R
31394	RP067K87FR	LIKET	SMD 0603 Resistor	7.87K ohm	±1%	5000pcs/R
29585	0603-57.6KΩ±1%		SMD Resistor	57.6KΩ	±1%	5000pcs/R
29619	0603-750Ω±1%		0603 Chip Resistors (1/10W)	750Ω	±1%	5000pcs/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. Finally, the two external terminations (Pure Tin) are added. See fig. 4

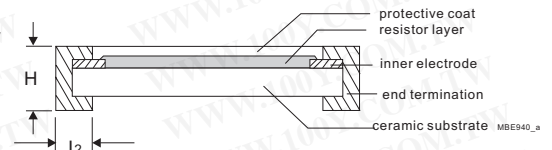
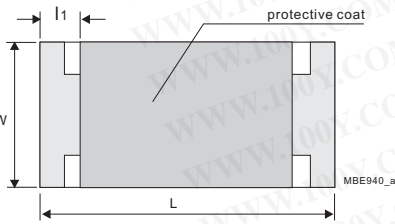


Fig. 4 Chip resistor construction



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) 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	1.0 A
	Maximum Current	2.0 A

Part No.	Product No.	Manufacturer	Description	Resistance(Ω)	Tolerance(±)	Package
39673	PR031M00XXJ	EVER OHMS	0603 Chip Resistors-Thick Film	1M ohm	+/-5%	5000PCS/R
39672	PR03330EXXJ	EVER OHMS	0603 Chip Resistors-Thick Film	330ohm	+/-5%	5000PCS/R
22466	RC0603-0715KL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	15K ohm	+/- 1%	5000pcs/R
16855	RC0603FR-07100KL	YAGEO	0603 Chip Resistors-Thick Film	100K ohm	+/-1%	5000pcs/R
13072	RC0603FR-07100RL	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	100 ohm	+/-1%	5000pcs/R
16857	RC0603FR-0710KL	YAGEO	0603 Chip Resistors-Thick Film	10K ohm	+/-1%	5000pcs/R
37709	RC0603FR-0710ML	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	10M ohm	+/-1%	5000pcs/R
40282	RC0603FR-0710R2	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	10.2 ohm	+/-1%	5000pcs/R
40283	RC0603FR-0710R5	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	10.5 ohm	+/-1%	5000pcs/R
40284	RC0603FR-0710R7	YAGEO	0603 Chip Resistors-Thick Film-Lead Free	10.7 ohm	+/-1%	5000pcs/R
16902	RC0603FR-0710RL	YAGEO	0603 Chip Resistors-Thick Film	10 ohm	+/-1%	5000pcs/R



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