

Resistors & Potentiometers

0805 Chip Resistors -(1/8W)

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



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 (pure Tin) are added. See fig. 3.

CHARACTERISTICS

		RC0805 1/8W	
Operating Temperature Range		-55 °C to +155 °C	
Maximum Working Voltage		150 V	
Maximum Overload Voltage		300 V	
Dielectric Withstanding Voltage		300 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	2.0 A
		Maximum Current	5.0 A

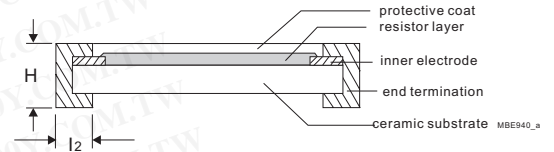
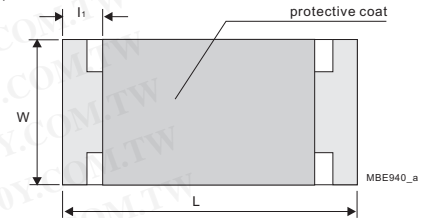


Fig. 3 Chip resistor construction



TYPE	RC0805
L (mm)	2.00 ± 0.10
W (mm)	1.25 ± 0.10
H (mm)	0.50 ± 0.10
l1 (mm)	0.35 ± 0.20
l2 (mm)	0.35 ± 0.20

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Package
12852	0805-3.9KΩ±5%	YAGEO	0805 Chip Resistors-Thick Film	3.9K ohm	+/- 5%	5000pcs/R
17512	0805-30KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	30K ohm	+/- 1%	5000pcs/R
31706	0805-30Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	30 ohm	±1%	5000pcs/R
17187	0805-33Ω±1%	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	33 ohm	+/- 1%	5000pcs/R
17188	0805-33Ω±1%	YAGEO	0805 Chip Resistor - Thick Film(1/8W)	33 ohm	+/- 1%	5000pcs/R
28580	0805-33Ω±5%		0805 SMD Resistor	33ohm	+/- 5%	5000pcs/R
12425	0805-340KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	340K ohm	+/- 1%	5000pcs/R
6613	0805-36Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	36 ohm	+/- 5%	5000pcs/R
6628	0805-39Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	39 ohm	+/- 5%	5000pcs/R
28617	0805-3KΩ±1%	EVER OHMS	0805 SMD Resistor	3K ohm	+/- 1%	5000pcs/R
6507	0805-3Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	3 ohm	+/- 5%	
6512	0805-4.3Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	4.3 ohm	+/- 1%	
28619	0805-4.75KΩ±1%	EVER OHMS	0805 SMD Resistor	4.75K ohm	+/- 1%	5000pcs/R
18767	0805-4.7KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	4.7K ohm	+/- 1%	5000pcs/R
19581	0805-4.7KΩ±5%	YAGEO	0805 Chip Resistors-Thick Film	4.7K ohm	+/- 5%	5000pcs/R
6482	0805-4.7Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	4.7 ohm	+/- 5%	
28584	0805-4.7Ω±5%		0805 SMD Resistor	4.7 ohm	+/- 5%	5000pcs/R
12096	0805-430KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	430K ohm	+/- 1%	5000pcs/R
23173	0805-470KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	470K OHM	+/- 1%	5000pcs/R
16995	0805-470Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	470 ohm	+/- 1%	5000pcs/R
18765	0805-47KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film-Lead Free	47K ohm	+/- 1%	5000pcs/R
18766	0805-47KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	47K ohm	+/- 1%	5000pcs/R
6631	0805-47Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	47 ohm	+/- 5%	5000pcs/R
12208	0805-487KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	487K ohm	+/- 1%	5000pcs/R
14625	0805-499Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	499 ohm	+/- 1%	5000pcs/R
6700	0805-499Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	499 ohm	+/- 1%	
6514	0805-5.11Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	5.4 ohm	+/- 1%	
6513	0805-5.1Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	5.1 ohm	+/- 5%	
17053	0805-5.6KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	5.6K ohm	+/- 1%	5000pcs/R
6608	0805-5.6Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	5.6 ohm	+/- 5%	5000pcs/R
39128	0805-51.1Ω±1%	EVER OHMS	0805 SMD Resistor-ROHS	51.1 ohm	+/- 1%	5000pcs/R
15998	0805-510KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	510K ohm	+/- 1%	5000pcs/R
16319	0805-510Ω±5%	SYNTON	0805 Chip Resistors-Thick Film	510 ohm	+/- 5%	5000pcs/R
14011	0805-51Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	51 ohm	+/- 1%	5000pcs/R
28581	0805-51Ω±5%		0805 SMD Resistor	51 ohm	+/- 5%	5000pcs/R
22368	0805-536KΩ±1%		0805 SMD Resistor	536K ohm	+/- 1%	5000pcs/R
12361	0805-56KΩ±5%	YAGEO	0805 Chip Resistors-Thick Film	56K ohm	+/- 5%	5000pcs/R
20085	0805-56Ω±1%	YAGEO	0805 Chip Resistors-Thick Film	56 ohm	+/- 1%	5000pcs/R
20087	0805-56Ω±1%	YAGEO	SMD Resistor	56 ohm	+/- 1%	5000pcs/R
6642	0805-56Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	56 ohm	+/- 5%	5000pcs/R
28366	0805-6.2KΩ±1%	YAGEO	0805 Chip Resistors-Thick Film	6.2K ohm	+/- 1%	5000pcs/R
6547	0805-6.8Ω±5%	YAGEO	0805 Chip Resistors-Thick Film	6.8 ohm	+/- 5%	
22370	0805-61.9KΩ±1%		0805 SMD Resistor	61.9K ohm	+/- 1%	5000pcs/R

