

Resistors & Potentiometers

Thick Film Chip Resistor Networks

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

CHARACTERISTICS

Number of Resistors	2			
Resistance Range	5% (E24)	10 Ω to 1 MΩ	1% (E24/E96)	10 Ω to 1 MΩ
	Zero Ohm Jumper		< 0.05 Ω	
Temperature Coefficient	±200 ppm/°C			
Jumper Criteria	Rated Current		1.0 A	



Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Max. Working Volt.
48169	YC122-JR-0710KL	YAGEO	YAGEO_SMD Thick Film Chip Resistor Networks	10KΩ	±5%	50 V
48170	YC122-JR-0720KL	YAGEO	YAGEO_SMD Thick Film Chip Resistor Networks	20KΩ	±5%	50 V
48168	YC122-JR-0727RL	YAGEO	YAGEO_SMD Thick Film Chip Resistor Networks	27Ω	±5%	50 V

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 eight external terminations (Pure Tin) are added. See fig. 2

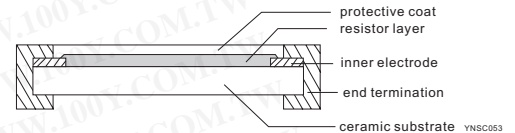


Fig. 2 Chip resistor construction

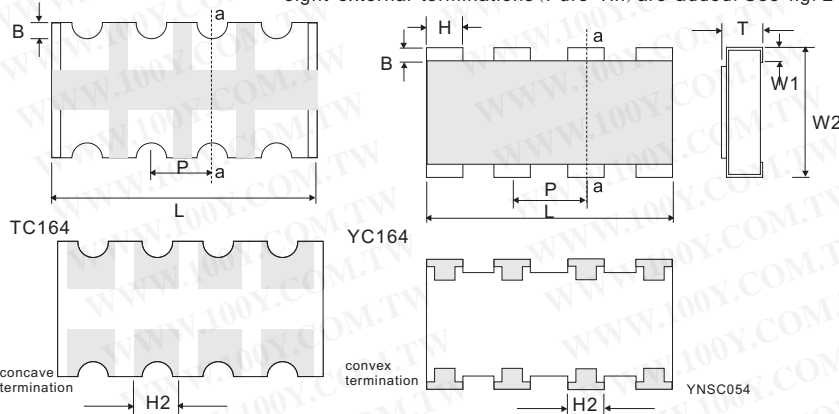
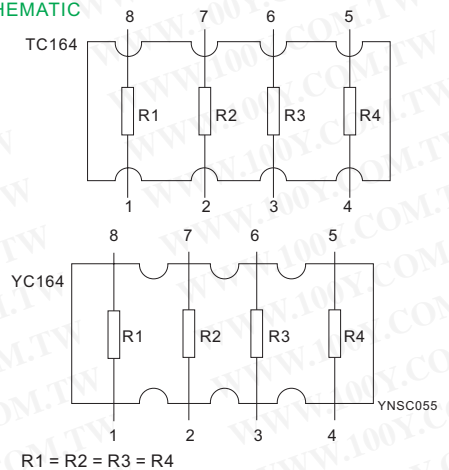


Fig. 3 YC/TC164 series chip resistors dimension

For dimension see Table1

TYPE	YC164	TC164
B (mm)	0.30±0.15	0.30±0.15
H(mm)	0.65 ±0.05	—
P (mm)	0.80 ±0.05	0.80 ±0.05
L (mm)	3.20 ±0.15	3.20 ±0.15
H2 (mm)	0.50 ±0.15	0.60±0.15
T(mm)	0.60 ±0.10	0.60 ±0.10
W1 (mm)	0.30 ±0.15	0.30 ±0.15
W2 (mm)	1.60 ±0.15	1.60 ±0.15

SCHEMATIC



R1 = R2 = R3 = R4

CHARACTERISTICS

YC/TC164 1/16 W	
Operating Temperature Range	-55 °C to +155 °C
Maximum Working Voltage	50 V
Maximum Overload Voltage	100 V
Dielectric Withstanding Voltage	100 V
Number of Resistors	4
Resistance Range	5% (E24) 10 Ω to 1 MΩ Zero Ohm Jumper < 0.05 Ω
Temperature Coefficient	±200 ppm/°C
Jumper Criteria	Rated Current 1.0 A

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Power Rating (W)	Max. Working Volt.	Package
15861	YC164-JR-070R	YAGEO	Thick Film Chip Resistor Networks	0 ohm	+/-5%	0.0625W	50V	5000PCS/R
28552	YC164-JR-07100RL	YAGEO	Thick Film Chip Resistor Networks	100 ohm	+/-5%	0.0625W	50	5K/R
24133	YC164-JR-0710KL	YAGEO	Thick Film Chip Resistor Networks	10KΩ	±5%	0.0625W	50	5000PCS/R
39926	YC164-JR-071KL	YAGEO	Thick Film Chip Resistor Networks	1KΩ	±5%	0.0625W	50	5K/R
9806	YC164-JR-07220RL	YAGEO	Thick Film Chip Resistor Networks	220 ohm	+/-5%	0.0625W	50V	5000PCS/R
43039	YC164-JR-0722RL	YAGEO	Thick Film Chip Resistor Networks	22 ohm	+/-5%	0.0625W	50V	5000PCS/R
24677	YC164-JR-0727R	YAGEO	Thick Film Chip Resistor Networks	27 ohm	+/-5%	0.0625W	50V	5000PCS/R
39925	YC164-JR-072K2L	YAGEO	Thick Film Chip Resistor Networks	2.2K ohm	+/-5%	0.0625W	50	5K/R
28553	YC164-JR-07330R	YAGEO	Thick Film Chip Resistor Networks	330 ohm	+/-5%	0.0625W	50	5K/R
32163	YC164-JR-0733RL	YAGEO	Thick Film Chip Resistor Networks	33 ohm	+/-5%	0.0625W	50	5000PCS/R
15548	YC164-JR-073K3L	YAGEO	Chip Resistor-Thick Film	3.3KΩ	±5%	1/16W	50V	5000PCS/R
43038	YC164-JR-07470RL	YAGEO	Thick Film Chip Resistor Networks	470 ohm	+/-5%	0.0625W	50V	5000PCS/R
28554	YC164-JR-074K7	YAGEO	Thick Film Chip Resistor Networks	7.1K ohm	+/-5%	0.0625W	50	5K/R
28681	YC164-JR-074R7	YAGEO	Thick Film Chip Resistor Networks	4.7 ohm	+/-5%	0.0625W	50V	5K/R
40060	YC164-JR-0751RL	YAGEO	Thick Film Chip Resistor Networks	51Ω	±5%	0.0625W	50	5000PCS/R
15547	YC164-JR-075R1	YAGEO	Thick Film Chip Resistor Networks	5.1Ω	±5%	1/16W	50V	5000PCS/R



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