

# Resistors & Potentiometers

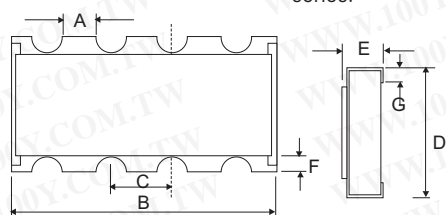
## Thick Film Chip Resistor Networks

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### APPLICATION

Free from troubles at placement due to accurate and uniformed physical dimensions. Telecommunication equipments, lap-top computers, note-book computers, and all kinds of high-tech products are suitable for SYNTON-TECH's YC series.



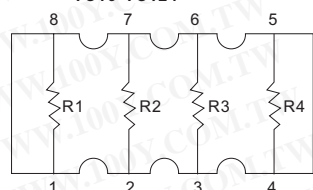
### DIMENSIONS

TYPE	NUMBER OF RESISTORS	A	B	C	D	E	F	G
YC16	8P/4R	0.5±0.15	3.2±0.2	0.8±0.05	1.6±0.2	0.6±0.1	0.3±0.15	0.3±0.15

### CHARACTERISTICS

ITEMS	YC16
Power rating	1/10W (0603)
Max working voltage	50V
Resistance tolerance	±5% (J)
Resistance range	10 ohm~1M ohm
T. C. R	±200ppm/°C
Number of resistors	2, 4, 8
Operating temp. range	-55°C~125°C
Rating temperature	+70°C

### SCHEMATIC



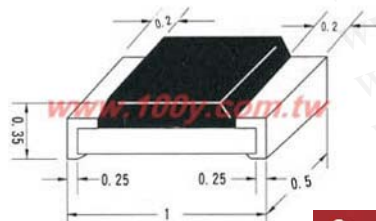
### SPECIFICATIONS

PERFORMANCE TEST	TEST METHOD	LIMITS
Temperature coefficient	MIL-STD-202F, Method 304 -55°C to +125°C	±200ppm/°C
Thermal shock	MIL-STD-202F, Method 107 5 cycles, -55°C to +125°C (Step by step 2min)	±(1%+0.05Ω)
Low temperature operation	MIL-R-55342D, Para. 4.7.4 One hour at -65°C Followed by 45 minutes RCWV	±(1%+0.05Ω)
Short time overload	MIL-R-55342D, Para. 4.7.5 2.5 Times RCWV for 5 seconds	±(2%+0.05Ω)
Insulation resistance	MIL-STD-202F, method 302 RCOV for 1 minute	10GΩ
Dielectric withstand voltage	MIL-STD-202F, method 301 R. M. S for 1 minute	By type
Resistance to soldering heat	MIL-STD-202F, Method 210C Soldered to test board at 260°C for 10 seconds	±(1%+0.05Ω)
Moisture resistance	MIL-STD-202F, Method 106F 42 Cycles, Total 1000 hours	±(2%+0.05Ω)
Life	MIL-STD-202F, Method 108A 1000 Hours at 70°C RCWV intermittent	±(3%+0.1Ω)
Solderability	MIL-STD-202F, Method 208G 230°C for 5 seconds	95%min. coverage
Bending strength	JIS-C-5202, Para. 6.1.4 unit mounted in center of 90mm board length, deflected 1mm in either direction for 5 seconds	±(1%+0.05Ω)

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Power Rating (W)	Max. Working Volt.	Package
15862	YC164RJ100	SYNTON	Thick Film Chip Resistor Networks	10 ohm	+/-5%	0.0625W	50V	5000PCS/R
15863	YC164RJ101	SYNTON	Thick Film Chip Resistor Networks	100 ohm	+/-5%	0.0625W	50	5000PCS/R
15864	YC164RJ102	SYNTON	Thick Film Chip Resistor Networks	1K ohm	+/-5%	0.0625W	50	5000PCS/R
15872	YC164RJ103	SYNTON	Thick Film Chip Resistor Networks	10KΩ	±5%	0.0625W	50	5000PCS/R
15865	YC164RJ220	SYNTON	Thick Film Chip Resistor Networks	22 ohm	+/-5%	0.0625W	50V	5000PCS/R
15871	YC164RJ222	SYNTON	Thick Film Chip Resistor Networks	2.2KΩ	±5%	0.0625W	50	5000PCS/R
15869	YC164RJ330	SYNTON	Thick Film Chip Resistor Networks	33 ohm	+/-5%	0.0625W	50	5000PCS/R
15868	YC164RJ331	SYNTON	Thick Film Chip Resistor Networks	330 ohm	+/-5%	0.0625W	50V	5000PCS/R
15866	YC164RJ470	SYNTON	Thick Film Chip Resistor Network	47 ohm	+/-5%	0.0625W	50V	5000PCS/R
15870	YC164RJ471	SYNTON	Thick Film Chip Resistor Networks	470Ω	±5%	0.0625W	50	5000PCS/R
15873	YC164RJ472	SYNTON	Thick Film Chip Resistor Networks	4.7KΩ	±5%	0.0625W	50	5K/R
15867	YC164RJ560	SYNTON	Thick Film Chip Resistor Networks	56 ohm	+/-5%	0.0625W	50V	5000PCS/R
15874	YC164RJ562	SYNTON	Thick Film Chip Resistor Networks	5.6KΩ	±5%	0.0625W	50	5000PCS/R

## 0402 Chip Resistors -(1/16W)

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### INTRODUCTION

CHIP resistors consist of a deposited resistive paste on ceramic body and two wrapping end of the resistor to wave soldering.

### FEATURE

- The resistive layer is covered with a protective coating to assure mechanical and environmental integrity
- Excellent mechanical strength and electrical stability due to special electrode construction.
- Free from troubles at placement due to accurate and uniformed physical dimensions.
- Low TCR available: 100ppm, 50ppm, 25ppm.



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