CHIP NETWORK

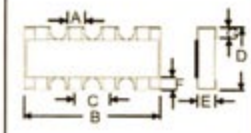
YC TYPE

APPLICATION

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

DIMENSIONS

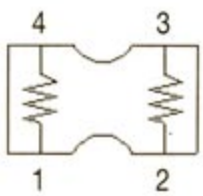
Unit : mm



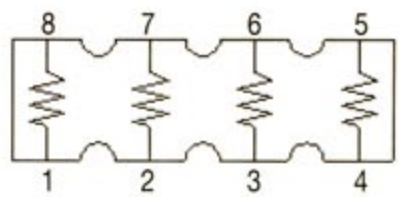
TYPE	NUMBER OF RESISTORS	A	B	C	D	E	F	G
YC122	4P2R	0.34±0.1	1.0±0.1	0.67±0.1	1.0±0.1	0.35±0.1	0.2±0.15	0.25±0.1
YC124	8P4R	0.3±0.15	2.0±0.1	0.5±0.1	1.0±0.15	0.40±0.1	0.2±0.15	0.25±0.15
YC16	8P4R	0.5±0.15	3.2±0.2	0.8±0.2	1.6±0.2	0.55±0.1	0.3±0.2	0.3±0.2
YC24	16P8R	0.3±0.1	4.0±0.2	0.5±0.2	1.6±.15	0.45±0.1	0.3±0.2	0.3±0.2

SCHEMATICS

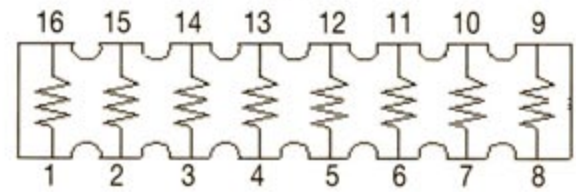
YC122



YC16 YC124



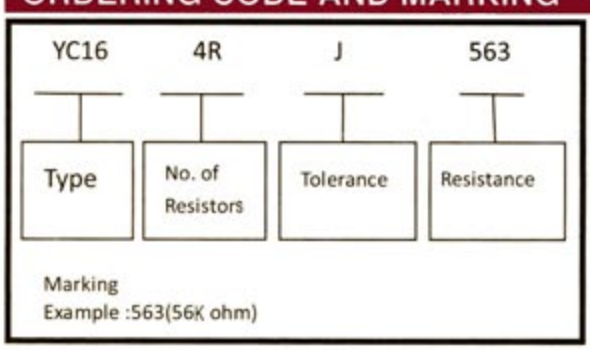
YC24



CHARACTERISTICS

ITEMS	YC122	YC124	YC16	YC24
POWER RATING	1/16W (0402)	1/16W (0402)	1/10W (0603)	1/16W (0402)
MAX. WORKING VOLTAGE	25V	25V	50V	50V
RESISTANCE TOLERANCE	±5% (J), ±1% (F)			
RESISTANCE RANGE	10 ohm~1M ohm			
T.C.R.	±200PPM/°C			
JUMPER RATED CURRENT	1A			2A
OPERATING TEMP. RANGE	−55°C~+155°C			
RATING TEMPERATURE	+70°C			

ORDERING CODE AND MARKING



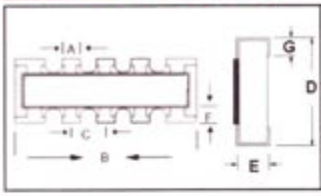
PACKAGING

Unit : pcs

RESISTOR / TYPE	2R	4R	8R
YC122	10,000	–	–
YC124	–	10,000	–
YC16	–	5,000	–
YC24	–	–	5,000

DIMENSIONS

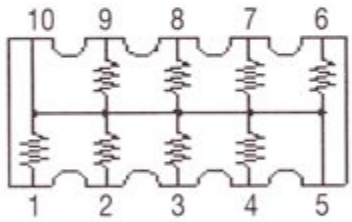
Unit : mm



TYPE	NUMBER OF RESISTORS	A	B	C	D	E	F	G
YC15	10P8R	0.45±0.15	3.2±0.2	0.64±0.05	1.6±0.15	0.6±0.1	0.3±0.15	0.35±0.15
YC35	10P8R	1.1±0.15	6.4±0.2	1.27±0.05	3.2±0.2	0.6±0.1	0.5±0.2	0.5±0.15

SCHEMATICS

YC15 YC35



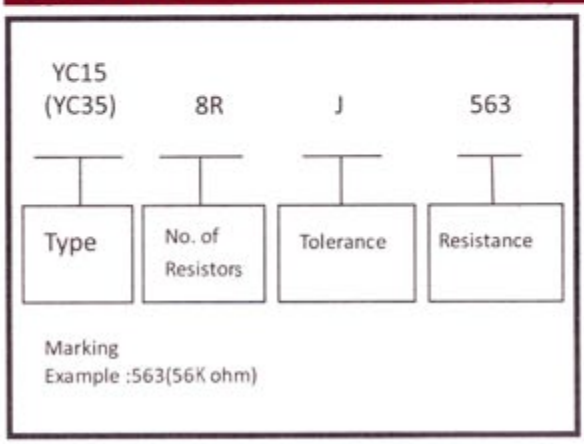
RATINGS

ITEMS	YC15	YC35
POWER RATING	1/16W (0402)	1/16W (0402)
MAX. WORKING VOLTAGE	25V	50V
RESISTANCE TOLERANCE	±5% (J)	
RESISTANCE RANGE	10R−100K	
T.C.R.	±200PPM/℃	
NUMBER OF RESISTORS	8	
OPERATING TEMP. RANGE	−55℃～+155℃	
RATING TEMPERATURE	+70℃	

CHARACTERISTICS

TEST	TEST METHOD	LIMITS
TEMPERATURE COEFFICIENT	MIL−STD−202F, Method 304−55℃～+155℃	±200ppm/℃
THERMAL SHOCK	MIL−STD−202G Method 107G 5 cycles, −55℃～+155℃ (step by step 2min)	±(1%+0.05Ω)
SHORT TIME OVERLOAD	MIL−R−55342D, Para.4.7.5 2.5times RCWV for 5 seconds	±(2%+0.1Ω)
INSULATION RESISTANCE	MIL−STD−202F, Mehtod 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−202G Method 210F soldered to test board at 260℃±5℃ for 10 seconds	±(1%+0.05Ω)
MOISTURE RESISTANCE	MIL−STD−202G, Method 106F 42 cycles, total 1000 hours	±(2%+0.05Ω)
LIFE	MIL−STD−202F, Method 108A 1000 hours at 70℃ RCWV intermittent	±(3%+0.1Ω)
SOLDERABILITY	MIL−STD−202F, Method 208G 245℃±3℃ for 5 seconds	95% min. coverage
BENDING STRENGTH	JIS−C−5201, Para, 4.33 Unit mounted in center of 90mm board length, deflected 1mm 1n either direction for 5 seconds	±(1%+0.05Ω)

ORDERING CODE AND MARKING



PACKAGING

Unit : pcs

TYPE \ RESISTOR	8R
YC15	5,000
YC35	4,000