

Thick Film Chip Resistors Network/TC Series (For 8Pin/4R)

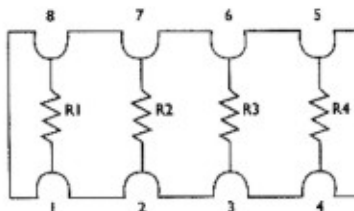


APPLICATIONS

Telecommunication Equipment Lap-Top and Note-Book Computer

SCHEMATICS

TC16

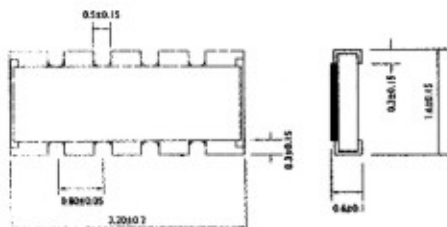


R1=R2

DIMENSIONS

Unit : mm

TC16





ELECTRICAL CHARACTERISTICS

STYLE	TC16
Power Rating at 70°C	1/16W
Operating Temp. Range	-55°C to +125°C (Derated to 0 Load at +125°C)
Maximum Working Voltage	50V
Maximum Overload Voltage	100V
Dielectric Withstand Voltage	100V
Number of Resistors	4
Resistance Range	10Ω - 1MΩ
Temperature Coefficient	±200ppm/°C
Resistance Tolerance	±5%

ELECTRICAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD		APPRAISE
Temperature Coefficient	MIL-STD-202F, Method 304	LCT to UCT	±200ppm/°C
Thermal Shock	MIL-STD-202F, Method 107	25 Cycles, -65°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	JIS-C-5205, 5.6	RCOV for 1 Minute	>10GΩ
Dielectric Withstand Voltage	JIS-C-5205, 5.7	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	42Cycles.Total 1000 Hours	±(2%+0.05Ω)
Life	MIL-STD-202F, Method 108A	1000 Hours at 70°C RCWV Intermittent	±(3%+0.1Ω)
Solderability	JIS-C-5205, 6.1	230°C for 5 Seconds	>95% Coverage
Bending Strength	JIS-C-5202, 6.1.4	Unit Mounted in Center of 90mm Board Length, Deflected 1mm in Either Direction for 5 Seconds	±(1%+0.05Ω)