

Trimmable Thick Film Chip Resistors

Performance Specification

Temperature Coefficient	TR03 : 1Ω ~ 10Ω 10.1Ω ~ 1M Ω	±400PPM/°C ±200PPM/°C	TR05, TR06 : ±200PPM/°C
Short Time Overload	±(2.0% + 0.1Ω)Max		
Terminal Bending	±(1.0% + 0.05Ω)Max		
Soldering Heat	±(1.0% + 0.05Ω)Max		
Insulation Resistance	Min. 1,000 Mega Ohm		
Solderability	Min. 95% coverage.		
Temperature Cycling	±(1.0% + 0.05Ω)Max		
Load Life in Humidity	±(3.0% + 0.1Ω)Max		
Load Life	±(3.0% + 0.1Ω)Max		
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.		

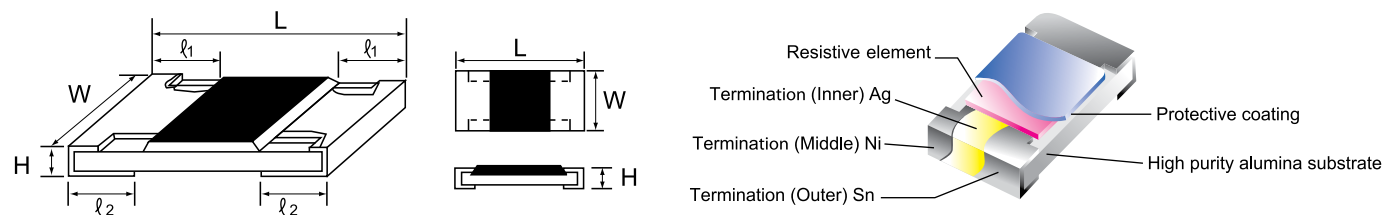
Ordering Procedure: Ex.: TR06, 1/8W, +/-20%, 150KΩ T/R-5000

T	R	0	6	W	8	M	0	1	5	4	T	5	E			
Resistor Size: TR03 = 0603 TR05 = 0805 TR06 = 1206				Wattage: W8 = 1/8W WA = 1/10W S8 = 1/8 W-S S4 = 1/4W-S			Resistance Value: • E-12 series: 1 st digit is "0" 2 nd & 3 rd digits are significant figures of the resistance 4 th indicates the number of zeros "J" ~ 0.1 Ex. 012J ~ 1Ω2				Packing Type: T = Tape/Reel		Packing Qty: 5 = 5,000 pcs.		Special Feature: E = Lead (Pb) Free Plating Type/ RoHS compliant	
				Tolerance: R = 0~30% Q = 0~20% P = -30~0% N = -20~0% K = ±10% M = ±20% S = -10 0% T = 0~10% J = ±5%												

Features

- Stable replacement of variable resistor for adjusting circuit (Laser trimming machine is required in client end)
- Superior heat & humidity withstanding performance

Dimension



Type	Power Rating at 70°C	Max Working Voltage	Max Overload Voltage	Tolerance %	Resistance Range	Dimension (mm)				
						L	W	H	l ₁	l ₂
TR03 (0603)	1/16W, 1/10W-S	75V	150V	R : 0~30% Q : 0~20% T : 0~10% S : -10~0% N : -20~0% P : -30~0% J : ±5% K : ±10% M : ±20%	1Ω~1MΩ	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
TR05 (0805)	1/10W, 1/8W-S	150V	300V			2.00±0.15	1.25 ^{+0.15} -0.10	0.55±0.10	0.40±0.20	0.40±0.20
TR06 (1206)	1/8W, 1/4W-S	200V	400V			3.10±0.15	1.55 ^{+0.15} -0.10	0.55±0.10	0.45±0.20	0.45±0.20

Note:
 1.) Standard Operating Temp (°C) : -55 ~ +155
 2.) Standard : E-12 Series