

Features

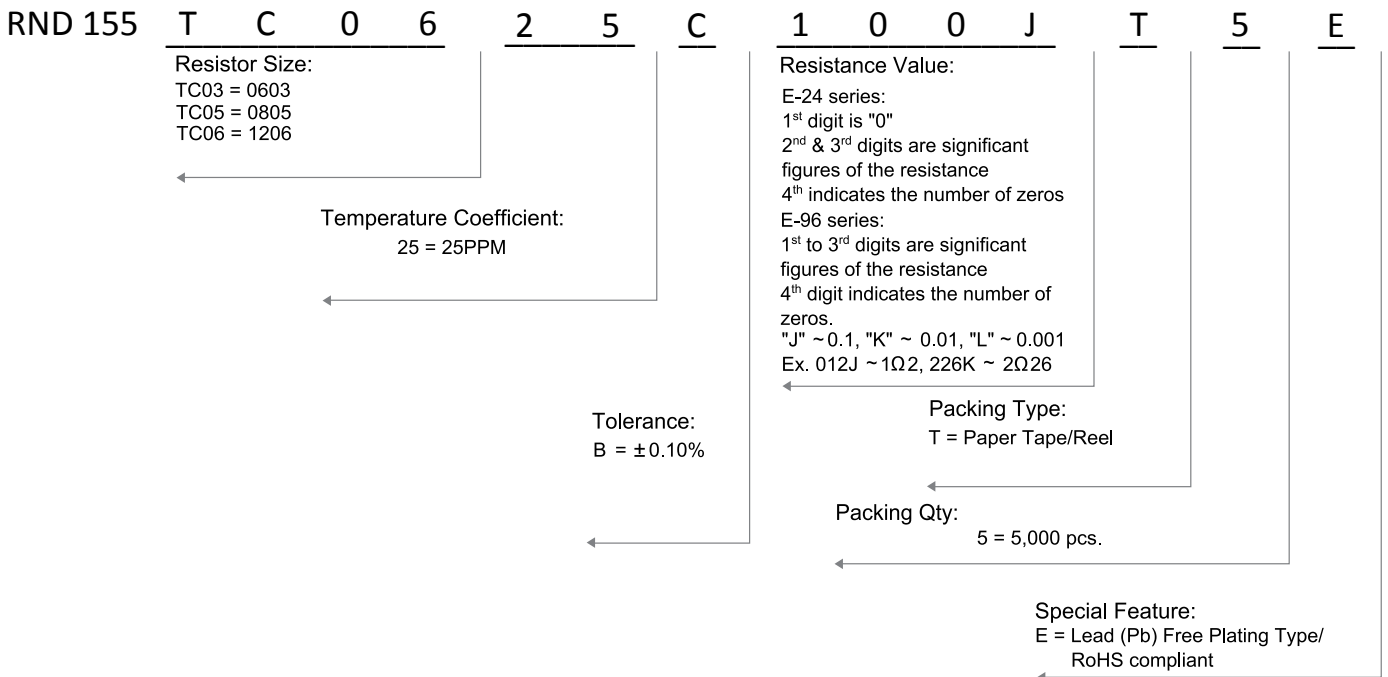
- Thin Film NiCr resistance element
- Precision tolerance from $\pm 0.10\%$, $\pm 0.25\%$, $\pm 0.50\%$, $\pm 1\%$
- Extremely low TCR from $\pm 25 \sim \pm 50 \text{PPM}/^\circ\text{C}$



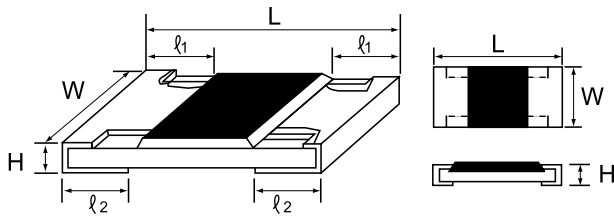
Applications

- Medical equipment
- Testing / Measuring equipment
- Communication device, cellphone, GPS, PDA
- Automatic equipment controller
- Printer equipment
- Converters

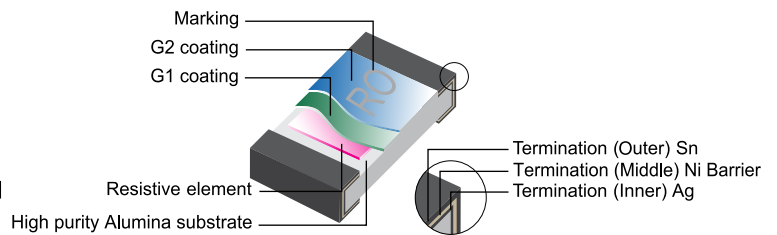
Ordering Procedure



Dimensions



Special Feature:
 E = Lead (Pb) Free Plating Type/
 RoHS compliant



Type	Dimension (mm)				
	L	W	H	l_1	l_2
TC03 (0603)	1.60±0.15	0.80±0.15	0.45±0.10	0.30±0.20	0.30±0.20
TC05 (0805)	2.00±0.15	1.25±0.15	0.55±0.10	0.35±0.25	0.40±0.25
TC06 (1206)	3.10±0.20	1.55±0.15	0.55±0.10	0.45±0.25	0.45±0.25

Performance Specification

Short Time Overload	±0.5% Max
Insulation Resistance	Min. 1,000 Mega Ohm
Humidity (Steady State)	±0.3% Max
Load Life	±0.2%; >7KΩ ± 0.5% Max
Terminal Bending	±0.2% Max
Solderability	Min. 95% coverage.
Resistance to Soldering Heat	±0.2% Max
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.

Type	Power Rating at 70°C	Max Working Voltage	Max Overload Voltage	T.C.R. (PPM/°C)	Tolerance %	Resistance Range (Special low)	Resistance Range	Resistance Range (Special high)
TC03 (0603)	1/6W	75V	150V	±25	± 0.10%	4.7Ω ~ 9.76Ω	10Ω ~ 1MΩ	
TC05 (0805)	1/4W	150V	300V	±25	± 0.10%	4.7Ω ~ 9.76Ω	10Ω ~ 1MΩ	1.1MΩ ~ 2MΩ
TC06 (1206)	1/3W	200V	400V	±25	± 0.10%	4.7Ω ~ 9.76Ω	10Ω ~ 1MΩ	1.1MΩ ~ 2.5MΩ