

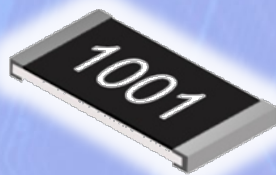
High Precision Thin Film (TC Series)



厚聲集團

Features:

- Ni Cr Resistance element
- Very tight tolerance
- Extremely low TCR
- Complete lead-free



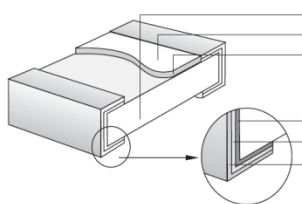
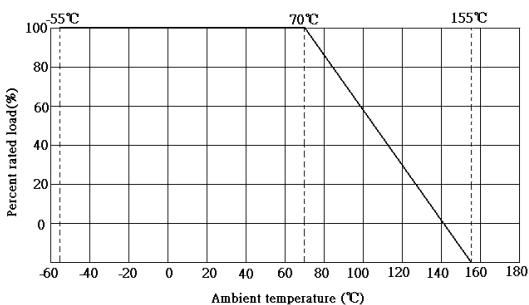
Application:

- Energy / Electronic Meter
- Lighting
- Power Supply
- Consumer Electronics
- Communication / Telecom
- Industrial Controls
- Medical equipment
- Instrumentation

High Precision Thin Film (TC Series)



Derating Curve



1. High purity Alumina substrate (高纯度氧化铝基板)
2. Protective coating (保护层)
3. Resistance element (阻抗元素)
4. Termination (Inner) Ni / Cr [端面(内)镍/铬层]
5. Termination (Between) Ni Barrier [端面(中)镍层]
6. Termination (Outer) Sn [端面(外)锡层(无铅)]

Type	Power (70°C)	Max Working Voltage	Max Overload Voltage	Dielectric Withstanding Voltage	Resistance Range		TCR.
					±0.1% ±0.25%	±0.5% ±1%	
TC02 (0402)	1/16W	25V	50V	100V	100Ω~2k	100Ω~2k	±5PPM
					50Ω~12k	50Ω~12k	±10PPM
					10Ω~332k	10Ω~332k	±25PPM
					10Ω~332k	10Ω~332k	±50PPM
TC03 (0603)	1/10W	75V	150V	300V	100Ω~4k	100Ω~4k	±5PPM
					10Ω~50k	10Ω~50k	±10PPM
					4.7Ω~1M	1Ω~1M	±25PPM
					4.7Ω~1M	1Ω~1M	±50PPM
TC05 (0805)	1/8W	150V	300V	500V	100Ω~15k	100Ω~15k	±5PPM
					10Ω~100k	10Ω~100k	±10PPM
					4.7Ω~2M	1Ω~2M	±25PPM
					4.7Ω~2M	1Ω~2M	±50PPM
TC06 (1206)	1/4W	200V	400V	500V	100Ω~15k	100Ω~15k	±5PPM
					10Ω~200k	10Ω~200k	±10PPM
					4.7Ω~3M	1Ω~3M	±25PPM
					4.7Ω~3M	1Ω~3M	±50PPM
TC07 (1210)	1/3W	200V	400V	500V	100Ω~15k	100Ω~15k	±5PPM
					10Ω~200k	10Ω~200k	±10PPM
					4.7Ω~3M	1Ω~3M	±25PPM
					4.7Ω~3M	1Ω~3M	±50PPM
TC10 (2010)	1/3W	200V	400V	500V	100Ω~25k	100Ω~25k	±5PPM
	1/2W				50Ω~200k	50Ω~200k	±10PPM
					4.7Ω~3M	1Ω~3M	±25PPM
					4.7Ω~3M	1Ω~3M	±50PPM
TC12 (2512)	3/4W	200V	400V	500V	100Ω~25k	100Ω~25k	±5PPM
					50Ω~200k	50Ω~200k	±10PPM
					4.7Ω~3M	1Ω~3M	±25PPM
					4.7Ω~3M	1Ω~3M	±50PPM



IATF 16949
ISO 14001

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