

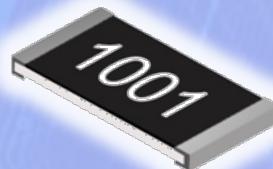
# High Precision Thin Film (TC Series)



厚聲集團

## Features:

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



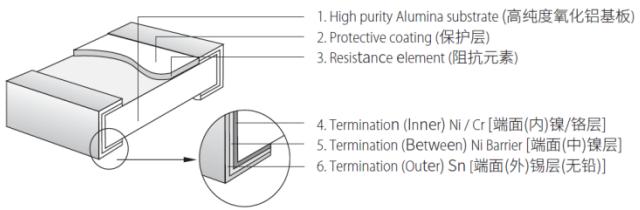
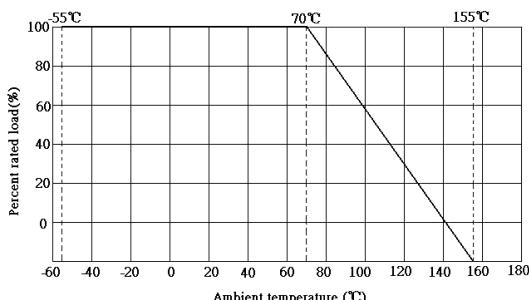
## Application:

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

# High Precision Thin Film (TC Series)



## Derating Curve



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			
					50Ω~200k	50Ω~200k	±10PPM			
	1/2W				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			



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