

Feature (特性)

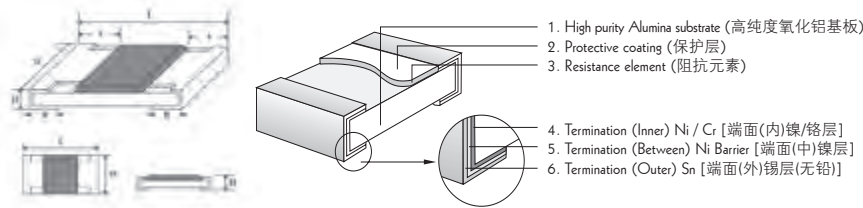
- Thin film Ni/Cr Resistance element
薄膜镍铬阻抗元件
- High power & Low noise 高功率，低噪声
- Extremely low TCR from (低温度系数)
±25PPM/°C, ±50PPM/°C
- Totally Lead-free 完全无铅产品

Application (应用)

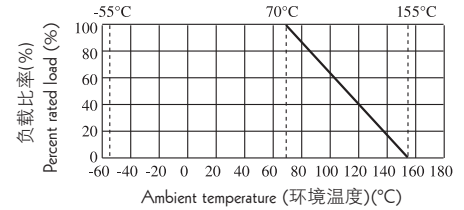
- Control circuit V.C.R V.C.R 控制电路
- Air-conditioner 空调器
- Computer, color TV 电脑，电视
- Facsimile 传真机



Figures (型状)



Derating Curve (降功率曲线)



Type 类型	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)
TP03	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
TP05	2.00±0.15	1.25 ^{+0.15} _{-0.10}	0.55±0.10	0.40±0.20	0.40±0.20
TP06	3.10±0.15	1.55 ^{+0.15} _{-0.10}	0.55±0.10	0.45±0.20	0.45±0.20
TP07	3.10±0.10	2.60±0.20	0.55±0.10	0.45±0.20	0.45±0.20
TP10	5.00±0.10	2.50±0.20	0.55±0.10	0.60±0.25	0.50±0.20
TP12	6.35±0.10	3.20±0.20	0.55±0.10	0.60±0.25	0.50±0.20

Characteristics (特性)

Type 类型	Power Rating 功率 at 70°C	Operating Temperature 工作温度范围	Max. Working Voltage 最大工作电压	Max. Overload Voltage 最大过负荷电压	Resistance Range 阻值范围				TCR 温度系数 PPM/°C
					±0.10%	±0.25%	±0.5%	±1%	
TP03	1/10W, 1/6W-S	-55°C~+155°C	75V	150V	4.7Ω~1MΩ	1.5Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	±25 / ±50
TP05	1/8W, 1/4W-S	-55°C~+155°C	150V	300V	4.7Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	±25 / ±50
TP06	1/4W, 1/3W-S	-55°C~+155°C	200V	400V	4.7Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	±25 / ±50
TP07	1/3W	-55°C~+155°C	200V	400V	4.7Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	±25 / ±50
TP10	1/2W	-55°C~+155°C	200V	400V	4.7Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	1Ω~1MΩ	±25 / ±50
TP12	1W	-55°C~+155°C	200V	400V	10Ω~1MΩ	10Ω~1MΩ	10Ω~1MΩ	10Ω~1MΩ	±25 / ±50

Performance Specification (性能)

Short-time overload 短时间过负荷	ΔR ≤ ±0.5%	Humidity (Steady State) 恒定湿热	ΔR ≤ ±0.3%
Insulation Resistance 绝缘电阻	≥ 1,000MΩ	Terminal bending 端子弯曲	ΔR ≤ ±0.2%
Load life 负载寿命	ΔR ≤ ±0.2%	Solderability 可焊性	Min 95% coverage (最少 95% 覆盖率)
	> 7KΩ ΔR ≤ ±0.5%	Soldering heat 耐焊接热	ΔR ≤ ±0.2%

Ordering Procedure (Example: High Power Thin Film TP06 1/4W 0.1% 25PPM 1KΩ T/R-5000)

订购方式 (例如: 高功率薄膜 TP06 1/4W 0.1% 25PPM 1KΩ T/R-5000)

T P 0 6 2 5 B 1 0 0 1 T 5 E

Product Type (产品类型):
Fill-in 4 digits with the Chip resistor type as follow (填四位数字表示产品类型):
TP03, TP05, TP06, TP07, TP10, TP12

Temperature coefficient (温度系数):
Fill-in 2 digits with the codes as following (用下列代码填二位数字):
25 = 25PPM
50 = 50PPM

Resistance Value (阻值):
≤ 1% (E-24, E-96 series):
the 1st to 3rd digits are for the significant figures of the resistance and the 4th indicate the numbers of zeros following.
≤ 1% 产品 (E-24, E-96 系列阻值):
第 1-3 位数表示阻值的有效数, 第 4 位数表示有几个 0

Packing Qty. (包装数量):
4 = 4,000pcs
5 = 5,000pcs
C = 10,000pcs
D = 20,000pcs
E = 15,000pcs

Tolerance (公差):
B = ±0.1% C = ±0.25%
D = ±0.5% F = ±1%

Packing Type (包装类型):
T = T/R (编带 / 卷带)
B = Bulk in Poly bag (散装 / 袋装)
C = Bulk in cassette (散装 / 盒装)

Special Feature (特征):
E = Lead Free (standard) (无铅标准品)