



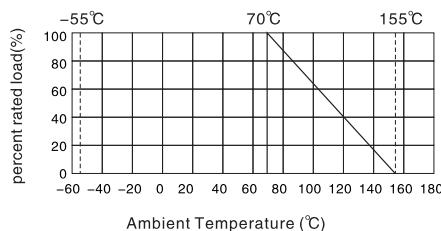
## 可調厚膜晶片電阻器

## TRIMMABLE THICK FILM CHIP RESISTORS

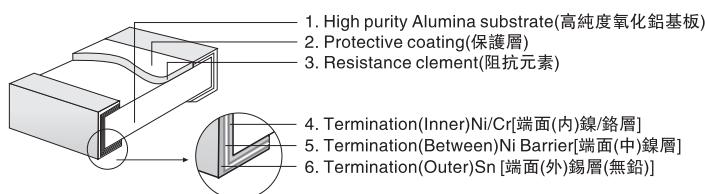
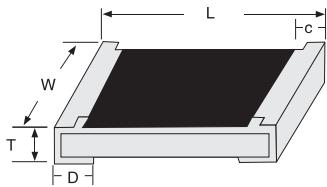
### ■ 特性 Feature

- 適用於穩定電路中，代替調節電路來調節阻值的應用(客戶端激光調阻機)  
Apply to stable circuit instead of regulating circuit to adjust the application of resistance(laser adjusting resistance machine in client end)
- 良好的耐溫耐濕性 Superior heat & humidity withstanding performance

### ■ 降功率曲線 Derating Curve



### ■ 形狀 & 構造 Figures & Construction



### ■ 尺寸 Dimension

Type	TR03 (0603 size)	TR05 (0805 size)	TR06 (1206 size)
Dimension (mm)	L	1.60 ± 0.10	2.00 ± 0.15
	W	0.80 ± 0.10	1.25 <sup>+0.15</sup> <sub>-0.10</sub>
	T	0.45 ± 0.10	0.55 ± 0.10
	C	0.30 ± 0.20	0.40 ± 0.20
	D	0.30 ± 0.20	0.40 ± 0.20

### ■ 性能 Specification

Type	TR03	TR05	TR06
Power rating (70°C)	1/16W 1/10WS	1/10W 1/8WS	1/8W 1/4WS
Max. Working Voltage	50V	150V	200V
Max. Overload Voltage	100V	300V	400V
Dielectric withstandin Voltage	500V	500V	500V
Resistance Range	1 Ω ~ 1 MΩ		
Tolerance	R:0~30% Q:0~20% T:0~10% K:± 10% S:-10~0% N:-20~0% P:-30~0% M:± 20%		
Operating Temperature	-55°C ~ +155°C		

### ■ 性能和測試要求 Specification And Test Methods

Temperature coefficient	TR03: 1Ω ~ 10Ω: ± 400PPM/°C > 10Ω: ± 200PPM/°C TR05, TR06: ± 200PPM/°C
Short-time overload	± 5%: ± (2.0% + 0.1Ω) Max. ± 1%: ± (1.0% + 0.1Ω) Max.
Insulation resistance	≥ 1,000 Mega Ohm
Dielectric withstandin voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
Terminal bending	± (1.0% + 0.05Ω) Max.
Soldering heat	± (1.0% + 0.05Ω) Max.
Solderability	Min 95% coverage
Temperature cycling	± 5%: ± (1.0% + 0.05Ω) Max. ± 1%: ± (0.5% + 0.05Ω) Max.
Humidity (Steady State)	± 5%: ± (3.0% + 0.1Ω) Max. ± 1%: ± (1.0% + 0.1Ω) Max.
Load life	± 5%: ± (3.0% + 0.1Ω) Max. ± 1%: ± (1.0% + 0.1Ω) Max.