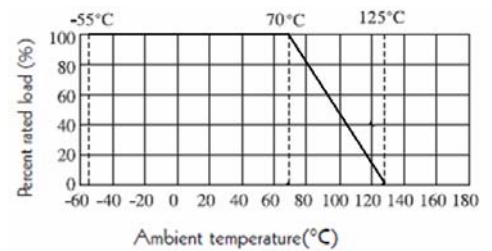




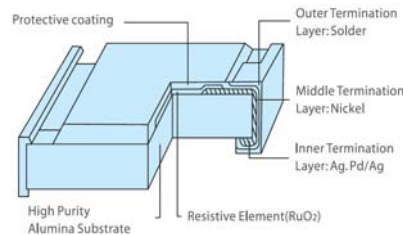
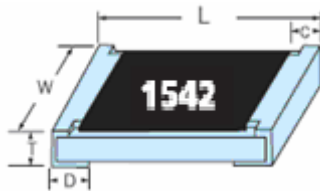
## ● 特性 Feature

- 薄膜鎳鉻阻抗元件  
Thin film NiCr Resistance element
- 精密的誤差從±0.01%~±0.5%  
Very tight tolerance from ±0.01%~ ±0.5%
- 極低的溫度係數±5~±50PPM/°C  
Extremely low TCR from ±5~±50 PPM/°C

## ● 降功率曲線 Derating Curve



## ● 形狀 & 構造 Figures & Construction



## ● 尺寸 Dimension

Type		TC 02 (0402 size)	TC 03 (0603 size)	TC 05 (0805 size)	TC 06 (1206 size)	TC 10 (2010 size)	TC 12 (2512 size)
Dimension (mm)	L	1.00 ± 0.10	1.60 ± 0.10	2.00 ± 0.15	3.10 ± 0.15	5.00 ± 0.10	6.35 ± 0.10
	W	0.50 ± 0.05	0.80 <sup>+0.15</sup> <sub>-0.10</sub>	1.25 <sup>+0.15</sup> <sub>-0.10</sub>	1.55 <sup>+0.15</sup> <sub>-0.10</sub>	2.50 <sup>+0.15</sup> <sub>-0.10</sub>	3.20 <sup>+0.15</sup> <sub>-0.10</sub>
	T	0.35 ± 0.05	0.45 ± 0.10	0.55 ± 0.10	0.55 ± 0.10	0.55 ± 0.10	0.55 ± 0.10
	C	0.20 ± 0.10	0.30 ± 0.20	0.40 ± 0.20	0.45 ± 0.20	0.60 ± 0.25	0.60 ± 0.25
	D	0.25 ± 0.10	0.30 ± 0.20	0.40 ± 0.20	0.45 ± 0.20	0.50 ± 0.20	0.50 ± 0.20

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

Short-time overload	$\Delta R \leq \pm(0.5\% + 0.05\Omega)$
Insulation resistance	$\geq 1,000$ Mega Ohm
Dielectric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
Terminal bending	$\pm(0.25\% + 0.05\Omega)$ Max.
Soldering heat	$\pm(0.25\% + 0.05\Omega)$ Max.
Solder ability	Min 95% coverage
Humidity (Steady State)	$\Delta R \leq \pm(0.3\% + 0.1\Omega)$
Load life	$\Delta R \leq \pm(0.2\% + 0.1\Omega)$ , $>7K\Omega$ $\Delta R \leq \pm(0.5\% + 0.1\Omega)$



## ● 性能 Specification

Type	Power rating (70°C)	Operating Temperature	Max.Working Voltage	Max.Overload Voltage	Resistance Tolerance	Resistance Range	TCR (ppm/°C)
TC 02 (0402 size)	1/16W	-55~+125°C	25V	50V	±0.01% ±0.25% ±0.1% ±0.5%	100Ω~2KΩ	±5 ppm/°C
						50Ω~12KΩ	±10 ppm/°C
						10Ω~100KΩ	±25 ppm/°C
						10Ω~100KΩ	±50 ppm/°C
TC 03 (0603 size)	1/16W	-55~+125°C	50V	100V	±0.01% ±0.25% ±0.1% ±0.5%	100Ω~4KΩ	±5 ppm/°C
						50Ω~50KΩ	±10 ppm/°C
						10Ω~332KΩ	±25 ppm/°C
						10Ω~332KΩ	±50 ppm/°C
TC 05 (0805 size)	1/10W	-55~+125°C	100V	200V	±0.01% ±0.25% ±0.1% ±0.5%	100Ω~10KΩ	±5 ppm/°C
						50Ω~100KΩ	±10 ppm/°C
						4.7Ω~1MΩ	±25 ppm/°C
						4.7Ω~1MΩ	±50 ppm/°C
TC 06 (1206 size)	1/8W	-55~+125°C	150V	300V	±0.01% ±0.25% ±0.1% ±0.5%	100Ω~15KΩ	±5 ppm/°C
						50Ω~200KΩ	±10 ppm/°C
						4.7Ω~1MΩ	±25 ppm/°C
						4.7Ω~1MΩ	±50 ppm/°C
TC 10 (2010 size)	1/4W	-55~+125°C	150V	300V	±0.01% ±0.25% ±0.1% ±0.5%	100Ω~25KΩ	±5 ppm/°C
						50Ω~200KΩ	±10 ppm/°C
						4.7Ω~1MΩ	±25 ppm/°C
						4.7Ω~1MΩ	±50 ppm/°C
TC12 (2512 size)	1/2W	-55~+125°C	150V	300V	±0.01% ±0.25% ±0.1% ±0.5%	100Ω~25KΩ	±5 ppm/°C
						50Ω~200KΩ	±10 ppm/°C
						4.7Ω~1MΩ	±25 ppm/°C
						4.7Ω~1MΩ	±50 ppm/°C

\* 訂購此類產品時請注明所需產品型號、阻值、誤差、TCR 要求