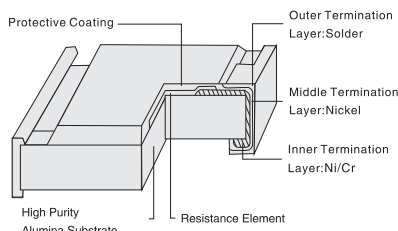
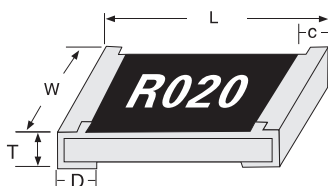




## ■ 特性 Feature

- 超低阻值 Ultra-low Value
- 低溫度係數 Low Temperature Coefficient
- 應用於電源 Power Supply

## ■ 形狀 & 構造 Figures & Construction



## ■ 尺寸 Dimension

Type		CS03 (0603 size)	CS05 (0805 size)	CS06 (1206 size)	CS07 (1210 size)	CS10 (2010 size)	CS12 (2512 size)
Dimension (mm)	L	1.60 ± 0.10	2.00 ± 0.15	3.10 ± 0.15	3.10 ± 0.10	5.00 ± 0.10	6.35 ± 0.10
	W	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>	2.60 <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	0.45 ± 0.10	0.55 ± 0.10	0.55 ± 0.10	0.55 ± 0.10	0.55 ± 0.10	0.55 ± 0.10
	C	0.30 ± 0.20	0.40 ± 0.20	0.45 ± 0.20	0.50 ± 0.25	0.60 ± 0.25	0.60 ± 0.25
	D	0.30 ± 0.20	0.40 ± 0.20	0.45 ± 0.20	0.50 ± 0.20	0.50 ± 0.20	0.80 ± 0.30

## ■ 性能 Specification

Type	Power rating (70°C)	Operating Temperature	Dielectric withstanding voltage	Resistance Range 1% & 5%	TCR (PPM/°C)
CS03	1/10W	-55°C~+155°C	300V	33mΩ~1Ω	33mΩ~50mΩ: ≤ ± 500 PPM/°C 50.1mΩ~0.1Ω: ≤ ± 400 PPM/°C 0.11Ω~0.5Ω: ≤ ± 300 PPM/°C 0.51Ω~1Ω: ≤ ± 200 PPM/°C
CS05	1/8W	-55°C~+155°C	500V	25mΩ~1Ω	25mΩ~0.1Ω: ≤ ± 400 PPM/°C 0.11Ω~0.5Ω: ≤ ± 300 PPM/°C 0.51Ω~1Ω: ≤ ± 200 PPM/°C
CS06	1/4W	-55°C~+155°C	500V	20mΩ~1Ω	20mΩ~50mΩ: ≤ ± 400 PPM/°C 50.1mΩ~0.5Ω: ≤ ± 300 PPM/°C 0.51Ω~1Ω: ≤ ± 200 PPM/°C
CS07	1/3W	-55°C~+155°C	500V	20mΩ~1Ω	20mΩ~50mΩ: ≤ ± 400 PPM/°C 50.1Ω~1Ω: ≤ ± 200 PPM/°C
CS10	1/2W	-55°C~+155°C	500V	20mΩ~1Ω	
CS12	1W	-55°C~+155°C	500V	10mΩ~1Ω	10mΩ~19mΩ: ≤ ± 600 PPM/°C 20mΩ~50mΩ: ≤ ± 400 PPM/°C 50.1mΩ~1Ω: ≤ ± 200 PPM/°C

◎ CS07規格0.1Ω~1Ω可依客戶要求提供100PPM/°C產品

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

Short-time overload	± 1%: ± (1.0%+0.005Ω) Max.    ± 5%: ± (2.0%+0.005Ω) Max.
Dielectric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
Terminal bending	± (1.0%+0.005Ω) Max.
Soldering heat	± (1.0% + 0.005Ω) Max.
Solderability	Min 95% coverage
Temperature cycling	± (1.0%+0.005Ω) Max.
Humidity (Steady State)	± 1%: ± (1.0%+0.005Ω) Max.    ± 5% ± (3.0%+0.005Ω) Max.
Load life	± 1%: ± (1.0%+0.005Ω) Max.    ± 5% ± (3.0%+0.005Ω) Max.

## ■ 降功率曲線 Derating Curve

