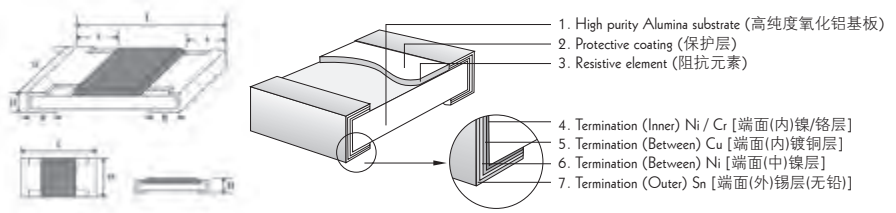


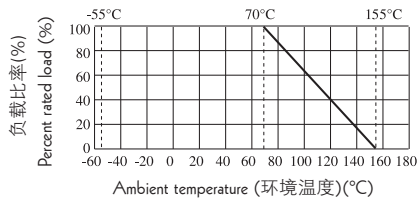
Feature (特性)

- Ultra-low Value  
超低阻值
- Low Temperature Coefficient  
低温度系数
- Suitable for reflow & wave soldering  
适合波峰焊及回流焊
- Application: Power supply  
应用于电源

Figures (型状)



Derating Curve & Specification (降功率曲线及性能)



Type 类型	Dielectric Withstanding Voltage 绝缘耐压	Operating Temperature 工作温度范围
CS02	100V	-55°C~155°C
CS03	300V	-55°C~155°C
CS05	500V	-55°C~155°C
CS06	500V	-55°C~155°C
CS07	500V	-55°C~155°C
CS10	500V	-55°C~155°C
CS11	500V	-55°C~155°C
CS12	500V	-55°C~155°C

Type 类型	Power Rating 功率 70°C	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	Resistance Range 阻值范围 1% & 5%	T.C.R. 温度系数 (PPM/°C)
CS02	1/10W 1/8W-S	1.00±0.10	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10	50mΩ~1Ω	50mΩ~100mΩ: ≤±700 100mΩ~1Ω: ≤±200
CS03	1/10W 1/5W-S	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20	20mΩ~1Ω	20mΩ~29.9mΩ: ≤±800 30mΩ~32.9mΩ: ≤±600 33mΩ~50mΩ: ≤±400 50.1mΩ~0.1Ω: ≤±300 0.11Ω~1Ω: ≤±200
CS05	1/8W 1/4W-S	2.00±0.15	1.25 <sup>+0.15</sup> <sub>-0.10</sub>	0.55±0.10	0.40±0.20	0.40±0.20	10mΩ~1Ω	10mΩ~15mΩ: ≤±800 15.1mΩ~25mΩ: ≤±600 25.1mΩ~50mΩ: ≤±400 50.1mΩ~0.2Ω: ≤±200 0.21Ω~1Ω: ≤±100
CS06	1/4W 1/3W-S	3.10±0.15	1.55 <sup>+0.15</sup> <sub>-0.10</sub>	0.55±0.10	0.45±0.20	0.45±0.20	10mΩ~1Ω	10mΩ~14.9mΩ: ≤±700 15mΩ~30mΩ: ≤±400 30.1mΩ~50mΩ: ≤±300 50.1mΩ~0.1Ω: ≤±200 0.11Ω~1Ω: ≤±150
CS07	1/3W 1/2W-S	3.10+/-0.10	2.60±0.20	0.55±0.10	0.50±0.25	0.50±0.20	10mΩ~1Ω	10mΩ~14.9mΩ: ≤±500 15mΩ~19.9mΩ: ≤±400 20mΩ~50mΩ: ≤±300 50.1mΩ~1Ω: ≤±100
CS10	1/2W 3/4W-S	5.00±0.10	2.50±0.20	0.55±0.10	0.60±0.25	0.50±0.20	10mΩ~1Ω	10mΩ~14.9mΩ: ≤±600 15mΩ~19.9mΩ: ≤±500 20mΩ~30mΩ: ≤±300 30.1mΩ~50mΩ: ≤±200 50.1mΩ~0.1Ω: ≤±150 0.1Ω~1Ω: ≤±100
CS11	1/2W 3/4W-S	4.50±0.20	3.20±0.20	0.55±0.20	0.50±0.20	0.80±0.30	10mΩ~1Ω	10mΩ~19.9mΩ: ≤±500 20mΩ~49.9mΩ: ≤±400 50mΩ~0.1Ω: ≤±200 0.11Ω~1Ω: ≤±100
CS12	1W	6.35±0.10	3.20±0.20	0.55±0.10	0.60±0.25	0.80±0.30	10mΩ~1Ω	10mΩ~14.9mΩ: ≤±600 15mΩ~19.9mΩ: ≤±400 20mΩ~30mΩ: ≤±300 30.1mΩ~50mΩ: ≤±200 50.1mΩ~0.1Ω: ≤±150 0.1Ω~1Ω: ≤±100

### Performance Specifications (性能)

Short-time overload	短时间过负荷	1%: $\pm(1.0\%+0.005\Omega)$ Max. (最大) 5%: $\pm(2.0\%+0.005\Omega)$ Max. (最大)
Terminal bending	端子弯曲	$\pm(1.0\%+0.005\Omega)$ Max. (最大)
Solderability	可焊性	Min. 95% coverage (最少95%覆盖率)
Dielectric withstanding Voltage	绝缘耐压	No evidence of flashover, mechanical damages, arcing or insulation breakdown 无击穿, 飞弧及可见机械性损伤
Temperature cycling	温度循环	$\pm(1.0\%+0.005\Omega)$ Max. (最大)
Soldering heat	耐焊接热	$\pm(1.0\%+0.005\Omega)$ Max. (最大)
Load life in humidity	湿度寿命	1%: $\pm(1.0\%+0.005\Omega)$ Max. (最大) 5%: $\pm(3.0\%+0.005\Omega)$ Max. (最大)
Load life	负载寿命	1%: $\pm(1.0\%+0.005\Omega)$ Max. (最大) 5%: $\pm(3.0\%+0.005\Omega)$ Max. (最大)

\* CS07 size in 0.75W 0.1~1 $\Omega$  100PPM/°C could be provided specially (\* CS07 0.75W 0.1~1 $\Omega$  100PPM/°C 可特别提供)

### Ordering Procedure (Example: CS12 1W 5% 22m $\Omega$ T/R-4000)

订购方式 (例如: CS12 1W 5% 22m $\Omega$  T/R-4000)

