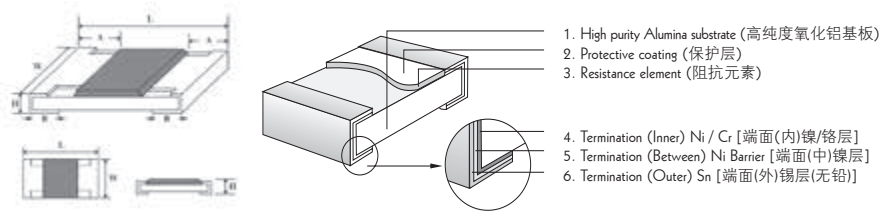


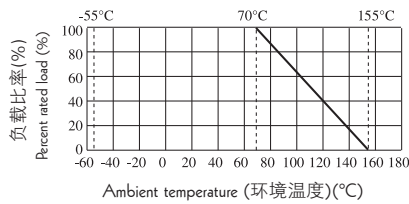
### Feature (特性)

- High power in standard size  
标准尺寸，高功率
- Suitable for both wave & re-flow soldering  
适合波峰焊与回流焊
- Application: AV adapters, LCD back-light, camera strobe etc. 适用于AV适配器, LCD背光电路, 照相机快门等

### Figures (型状)



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



Type 类型	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)
HP02 (0402)	1.00±0.10	0.50 <sup>+0.05</sup> <sub>-0.05</sub>	0.35±0.05	0.20±0.10	0.25±0.10
HP03 (0603)	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
HP05 (0805)	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
HP06 (1206)	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
HP07 (1210)	3.10±0.10	2.60±0.20	0.55±0.10	0.50±0.25	0.50±0.20
HP10 (2010)	5.00±0.10	2.50±0.20	0.55±0.10	0.60±0.25	0.50±0.20
HP11 (1812)	4.50±0.20	3.20±0.20	0.55±0.20	0.50±0.20	0.50±0.20
HP12 (2512)	6.35±0.10	3.20±0.20	0.55±0.10	0.60±0.25	1.80±0.25

Type 类型	Power Rating at 70°C 功率	Resistance Range of 1% & 5% 1% & 5% 的阻值范围	Max. Working Voltage 最大工作电压	Max. Overload Voltage 最大过负荷电压	Dielectric Withstanding Voltage 绝缘耐压	Operating Temperature 工作温度范围
HP02 (0402)	1/10W	1Ω~10M 0Ω	50V	100V R <sub>max</sub> =10mΩ, I <sub>max</sub> =3A	100V	-55°C~155°C
HP03 (0603)	1/5W	1Ω~10M 0Ω	50V	100V R <sub>max</sub> =8mΩ, I <sub>max</sub> =5A	300V	-55°C~155°C
HP05 (0805)	1/3W	1Ω~10M 0Ω	150V	300V R <sub>max</sub> =5mΩ, I <sub>max</sub> =6A	500V	-55°C~155°C
HP06 (1206)	1/2W	1Ω~10M 0Ω	200V	400V R <sub>max</sub> =5mΩ, I <sub>max</sub> =10A	500V	-55°C~155°C
HP07 (1210)	3/4W	1Ω~10M 0Ω	200V	500V R <sub>max</sub> =4mΩ, I <sub>max</sub> =12A	500V	-55°C~155°C
HP10 (2010)	1W	1Ω~10M 0Ω	200V	500V R <sub>max</sub> =5mΩ, I <sub>max</sub> =12A	500V	-55°C~155°C
HP11 (1812)	1.25W	1Ω~10M 0Ω	200V	500V R <sub>max</sub> =5mΩ, I <sub>max</sub> =12A	500V	-55°C~155°C
HP12 (2512)	2W	1Ω~10M 0Ω	250V	500V R <sub>max</sub> =5mΩ, I <sub>max</sub> =16A	500V	-55°C~155°C

Performance Specifications (性能)

Temperature coefficient	温度系数	≤ ±100PPM/°C
Short-time overload	短时间过负荷	±5%: ±(2.0Ω + 0.1Ω) Max.(最大)
		±1%: ±(1.0Ω + 0.1Ω) Max.(最大)
Dielectric withstanding voltage	绝缘耐压	No Evidence of flashover, mechanical damage, arcing or insulation breakdown 无击穿, 飞弧及可见机械性损伤
Terminal bending	端子弯曲	±(1.0% + 0.05Ω) Max.(最大)
Soldering heat	耐焊接热	±(1.0% + 0.05Ω) Max.(最大)
Solderability	可焊性	Min. 95% Coverage (最少 95% 覆盖率)
Temperature cycling	温度循环	±5%: ±(1.0% + 0.05Ω) Max.(最大)
		±1%: ±(0.5% + 0.05Ω) Max.(最大)
Humidity (Steady state)	恒定湿热	±5%: ±(3.0% + 0.1Ω) Max.(最大)
		±1%: ±(0.5% + 0.1Ω) Max.(最大)
Load life in humidity	湿度寿命	±5%: ±(3.0% + 0.1Ω) Max.(最大)
		±1%: ±(1.0% + 0.1Ω) Max.(最大)
Load life	负载寿命	±5%: ±(3.0% + 0.1Ω) Max.(最大)
		±1%: ±(1.0% + 0.1Ω) Max.(最大)

\* HP02 TCR: 1Ω~10Ω: ±400PPM/°C 11Ω~100Ω: ±200PPM/°C >100Ω: ±100PPM/°C

Ordering Procedure (Example: High Power HP06 1/2W 5% 120KΩ T/R-5000)

订购方式 (例如: 高功率 HP06 1/2W 5% 120KΩ T/R-5000)

