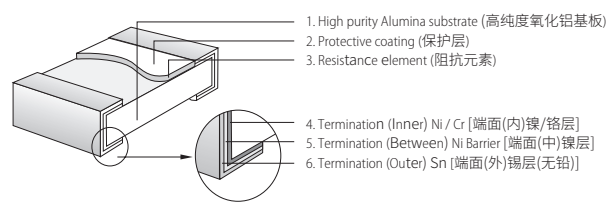
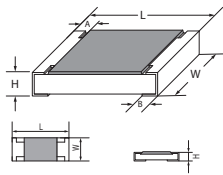




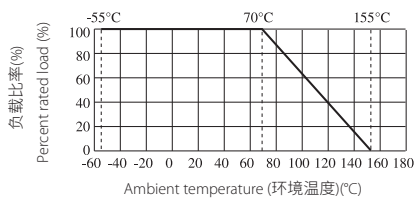
### Feature (特性)

- 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
- AEC-Q200 Qualified

### 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±0.05	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	0.50±0.20

\*Special offered 特别提供: HP12 B:1.80±0.25mm

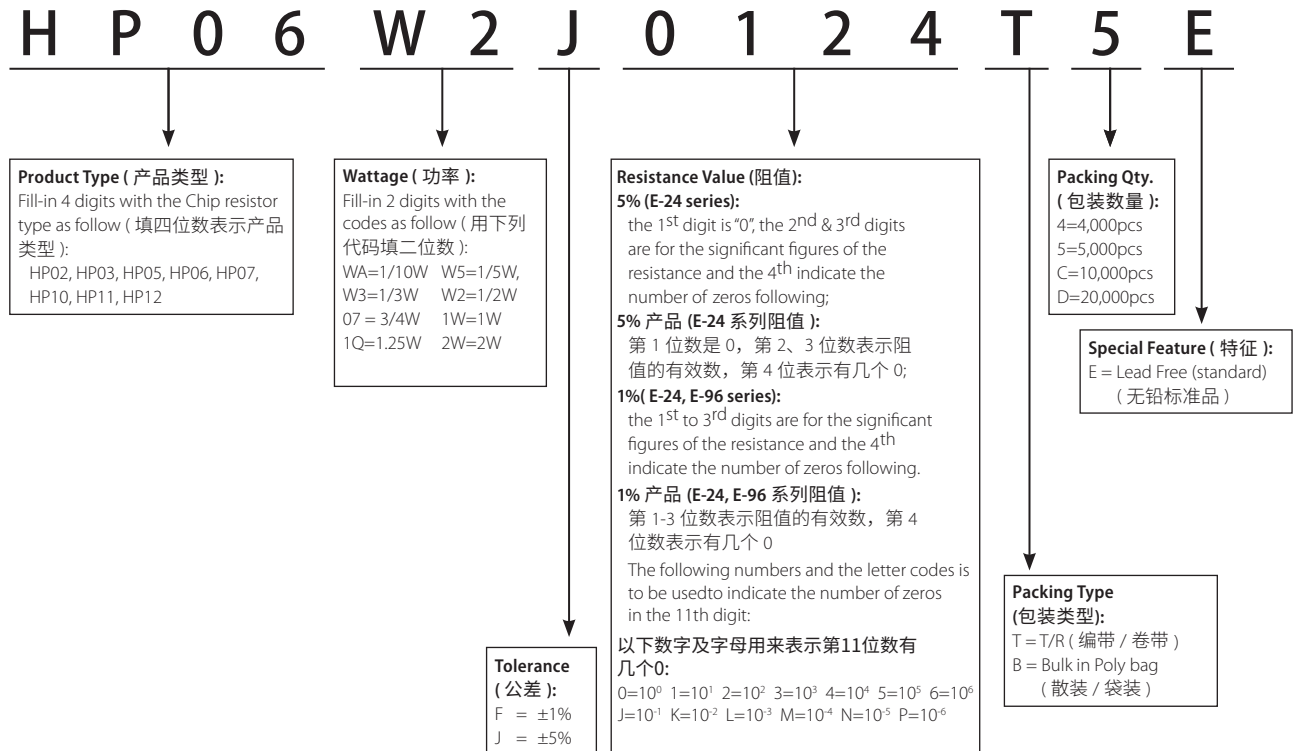
Type 类型	Size 尺寸	Power Rating 额定功率	Resistance Range of 1% & 5% 1% & 5% 的阻值范围	Max. Working Voltage/Current 最大工作电压/电流	Max. Overload Voltage/Current 最大过负荷电压/电流	Dielectric Withstanding Voltage 绝缘耐压	Operating Temperature 工作温度范围
HP02	0402	1/10W	1Ω~10M 0Ω(≤10mΩ)	50V 3A	100V 6A	100V	-55°C~155°C
HP03	0603	1/5W	0.1Ω~10M 0Ω(≤8mΩ)	75V 5A	150V 10A	300V	-55°C~155°C
HP05	0805	1/3W	0.01Ω~10M 0Ω(≤5mΩ)	150V 6A	300V 12A	500V	-55°C~155°C
HP06	1206	1/2W	0.01Ω~10M 0Ω(≤5mΩ)	200V 10A	400V 20A	500V	-55°C~155°C
HP07	1210	3/4W	0.1Ω~10M 0Ω(≤4mΩ)	200V 12A	500V 24A	500V	-55°C~155°C
HP10	2010	1W	0.01Ω~10M 0Ω(≤5mΩ)	200V 12A	500V 24A	500V	-55°C~155°C
HP11	1812	1.25W	0.1Ω~10M 0Ω(≤5mΩ)	200V 12A	500V 24A	500V	-55°C~155°C
HP12	2512	2W	0.01Ω~10M 0Ω(≤5mΩ)	300V 16A	500V 32A	500V	-55°C~155°C

### Performance Specifications (性能)

<b>Temperature coefficient</b>	<b>温度系数</b>	HP02: $1\Omega \leq R \leq 10\Omega$ : $\pm 400$ ppm/ $^{\circ}\text{C}$ $10\Omega < R \leq 100\Omega$ : $\pm 200$ ppm/ $^{\circ}\text{C}$ $100\Omega < R \leq 10\text{M}$ : $\pm 100$ ppm/ $^{\circ}\text{C}$	<b>Short-time overload</b>	<b>短时间过负荷</b>	$\pm 5\%$ : $\pm(2.0\% + 0.1\Omega)$ $\pm 1\%$ : $\pm(1.0\% + 0.1\Omega)$																
		HP03: $0.1\Omega \leq R < 0.2\Omega$ : $\pm 200$ ppm/ $^{\circ}\text{C}$ $0.2\Omega \leq R \leq 10\text{M}$ : $\pm 100$ ppm/ $^{\circ}\text{C}$			<b>Dielectric withstanding voltage</b>	<b>绝缘耐压</b>	No Evidence of flashover, mechanical damage, arcing or insulation breakdown 无击穿, 飞弧及可见机械性损伤														
		HP05: $10\text{m}\Omega \leq R \leq 15\text{m}\Omega$ : $\pm 800$ ppm/ $^{\circ}\text{C}$ $15\text{m}\Omega < R \leq 25\text{m}\Omega$ : $\pm 600$ ppm/ $^{\circ}\text{C}$ $25\text{m}\Omega < R \leq 50\text{m}\Omega$ : $\pm 400$ ppm/ $^{\circ}\text{C}$ $50\text{m}\Omega < R < 0.1\Omega$ : $\pm 200$ ppm/ $^{\circ}\text{C}$ $0.1\Omega \leq R \leq 10\text{M}$ : $\pm 100$ ppm/ $^{\circ}\text{C}$					<b>Terminal bending</b>	<b>端子弯曲</b>	$\pm(1.0\% + 0.05\Omega)$												
		HP06: $10\text{m}\Omega \leq R < 15\text{m}\Omega$ : $\pm 700$ ppm/ $^{\circ}\text{C}$ $15\text{m}\Omega \leq R < 30\text{m}\Omega$ : $\pm 400$ ppm/ $^{\circ}\text{C}$ $30\text{m}\Omega \leq R < 50\text{m}\Omega$ : $\pm 300$ ppm/ $^{\circ}\text{C}$ $50\text{m}\Omega \leq R < 0.1\Omega$ : $\pm 150$ ppm/ $^{\circ}\text{C}$ $0.1\Omega \leq R \leq 10\text{M}$ : $\pm 100$ ppm/ $^{\circ}\text{C}$							<b>Soldering heat</b>	<b>耐焊接热</b>	$\pm(1.0\% + 0.05\Omega)$										
		HP07, HP11: $\pm 100$ ppm/ $^{\circ}\text{C}$									<b>Solderability</b>	<b>可焊性</b>	Coverage must be over 95%.								
		HP10: $10\text{m}\Omega \leq R < 15\text{m}\Omega$ : $0 \sim +800$ ppm/ $^{\circ}\text{C}$ $15\text{m}\Omega \leq R < 50\text{m}\Omega$ : $0 \sim +600$ ppm/ $^{\circ}\text{C}$ $50\text{m}\Omega \leq R < 10\text{M}$ : $\pm 100$ ppm/ $^{\circ}\text{C}$											<b>Rapid change of temperature</b>	<b>温度快速变化</b>	$\pm 5\%$ : $\pm(1.0\% + 0.05\Omega)$ $\pm 1\%$ : $\pm(0.5\% + 0.05\Omega)$						
		HP12: $10\text{m}\Omega \leq R < 20\text{m}\Omega$ : $0 \sim +800$ ppm/ $^{\circ}\text{C}$ $20\text{m}\Omega \leq R \leq 50\text{m}\Omega$ : $0 \sim +400$ ppm/ $^{\circ}\text{C}$ $50\text{m}\Omega < R \leq 10\text{M}$ : $\pm 100$ ppm/ $^{\circ}\text{C}$													<b>Humidity (Steady state)</b>	<b>恒定湿热</b>	$\pm 5\%$ : $\pm(3.0\% + 0.1\Omega)$ $\pm 1\%$ : $\pm(0.5\% + 0.1\Omega)$				
																	<b>Load life in humidity</b>	<b>湿度寿命</b>	$\pm 5\%$ : $\pm(3.0\% + 0.1\Omega)$ $\pm 1\%$ : $\pm(1.0\% + 0.1\Omega)$		
																			<b>Load life</b>	<b>负载寿命</b>	$\pm 5\%$ : $\pm(3.0\% + 0.1\Omega)$ $\pm 1\%$ : $\pm(1.0\% + 0.1\Omega)$

### Ordering Procedure (Example: High Power HP06 1/2W 5% 120K $\Omega$ T/R-5000)



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



Remark: For more details, please check page 152, Part No. System. 注: 更多细节详见 P152 标准料号系统。

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