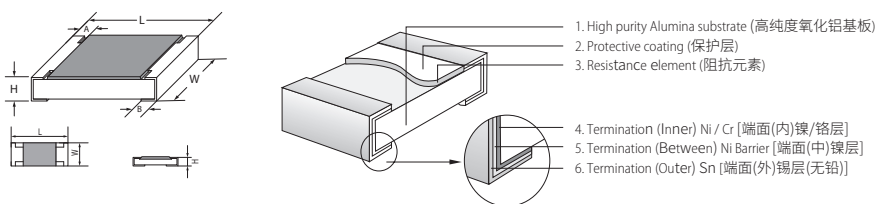


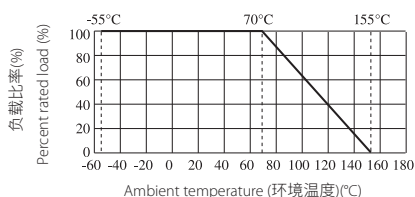
Feature (特性)

- 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 ^{+0.15} _{-0.10}	0.55±0.10	0.40±0.20	0.40±0.20
HP06 (1206)	3.10±0.15	1.55 ^{+0.15} _{-0.10}	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

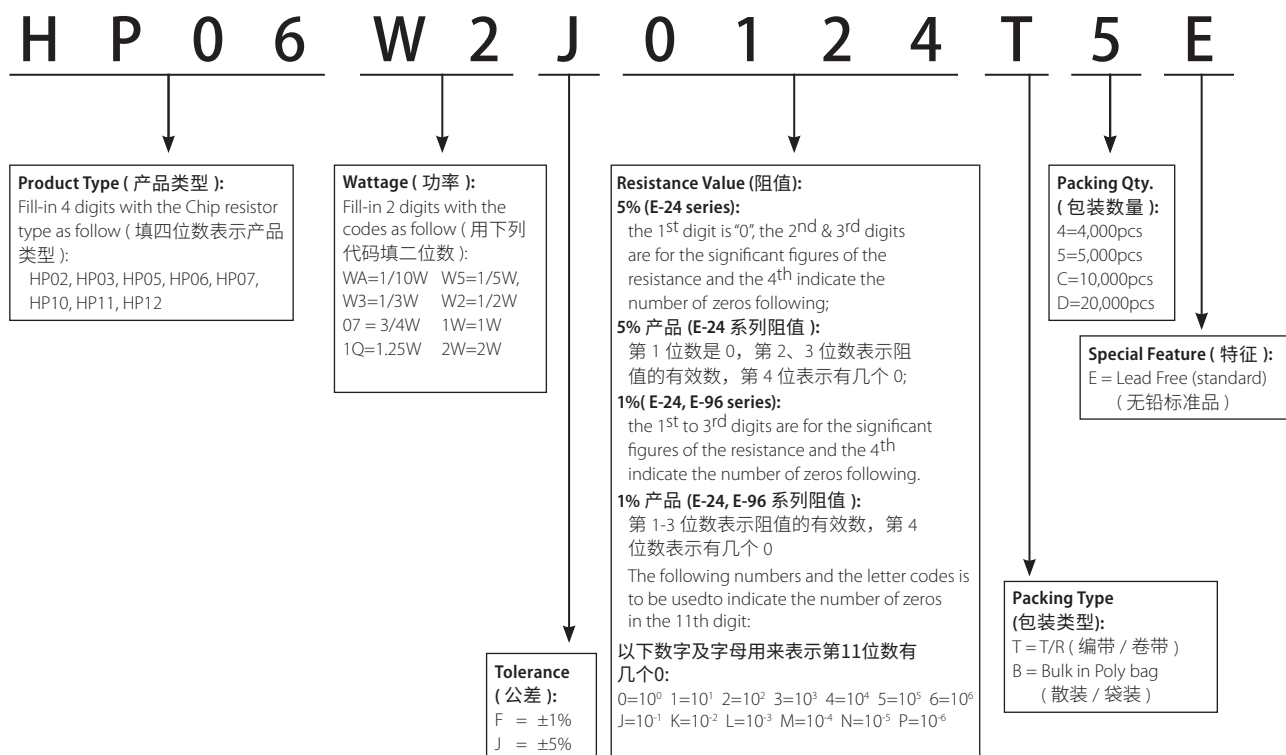
Type 类型	Size 尺寸	Power Rating 额定功率	Resistance Range of 1% & 5% 1% & 5% 的阻值范围	Max. Working Voltage/Current 最大工作电压/电流	Max. Overload Voltage/Current 最大过负荷电压/电流	Dielectric Withstanding Voltage 绝缘耐压	Operating Temperature 工作温度范围
HP02	0402	1/10W	1Ω~10M 0Ω(≤10mΩ)	50V 3A	100V 6A	100V	-55°C~155°C
HP03	0603	1/5W	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)

Temperature coefficient	温度系数	HP02: $1\Omega \leq R \leq 10\Omega$: $\pm 400 \text{ ppm}/^\circ\text{C}$ $10\Omega < R \leq 100\Omega$: $\pm 200 \text{ ppm}/^\circ\text{C}$ $100\Omega < R \leq 10\text{M}$: $\pm 100 \text{ ppm}/^\circ\text{C}$	Short-time overload	短时间过负荷	$\pm 5\%$: $\pm(2.0\% + 0.1\Omega)$ $\pm 1\%$: $\pm(1.0\% + 0.1\Omega)$
		HP03: $0.1\Omega \leq R < 0.2\Omega$: $\pm 200 \text{ ppm}/^\circ\text{C}$ $0.2\Omega \leq R \leq 10\text{M}$: $\pm 100 \text{ ppm}/^\circ\text{C}$			
		HP05: $10\text{m}\Omega \leq R \leq 15\text{m}\Omega$: $\pm 800 \text{ ppm}/^\circ\text{C}$ $15\text{m}\Omega < R \leq 25\text{m}\Omega$: $\pm 600 \text{ ppm}/^\circ\text{C}$ $25\text{m}\Omega < R \leq 50\text{m}\Omega$: $\pm 400 \text{ ppm}/^\circ\text{C}$ $50\text{m}\Omega < R < 0.1\Omega$: $\pm 200 \text{ ppm}/^\circ\text{C}$ $0.1\Omega \leq R \leq 10\text{M}$: $\pm 100 \text{ ppm}/^\circ\text{C}$		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
		HP06: $10\text{m}\Omega \leq R < 15\text{m}\Omega$: $\pm 700 \text{ ppm}/^\circ\text{C}$ $15\text{m}\Omega \leq R < 30\text{m}\Omega$: $\pm 400 \text{ ppm}/^\circ\text{C}$ $30\text{m}\Omega \leq R < 50\text{m}\Omega$: $\pm 300 \text{ ppm}/^\circ\text{C}$ $50\text{m}\Omega \leq R < 0.1\Omega$: $\pm 150 \text{ ppm}/^\circ\text{C}$ $0.1\Omega \leq R \leq 10\text{M}$: $\pm 100 \text{ ppm}/^\circ\text{C}$			
		HP07, HP11: $\pm 100 \text{ ppm}/^\circ\text{C}$		Terminal bending	端子弯曲 $\pm(1.0\% + 0.05\Omega)$
		HP10: $10\text{m}\Omega \leq R < 15\text{m}\Omega$: $0 \sim +800 \text{ ppm}/^\circ\text{C}$ $15\text{m}\Omega \leq R < 50\text{m}\Omega$: $0 \sim +600 \text{ ppm}/^\circ\text{C}$ $50\text{m}\Omega \leq R < 10\text{M}$: $\pm 100 \text{ ppm}/^\circ\text{C}$			
		HP12: $10\text{m}\Omega \leq R < 20\text{m}\Omega$: $0 \sim +800 \text{ ppm}/^\circ\text{C}$ $20\text{m}\Omega \leq R \leq 50\text{m}\Omega$: $0 \sim +400 \text{ ppm}/^\circ\text{C}$ $50\text{m}\Omega < R \leq 10\text{M}$: $\pm 100 \text{ ppm}/^\circ\text{C}$		Soldering heat	耐焊接热 $\pm(1.0\% + 0.05\Omega)$
				Solderability	可焊性 Coverage must be over 95%.
				Rapid change of temperature	温度快速变化 $\pm 5\%$: $\pm(1.0\% + 0.05\Omega)$ $\pm 1\%$: $\pm(0.5\% + 0.05\Omega)$
				Humidity (Steady state)	恒定湿热 $\pm 5\%$: $\pm(3.0\% + 0.1\Omega)$ $\pm 1\%$: $\pm(0.5\% + 0.1\Omega)$
				Load life in humidity	湿度寿命 $\pm 5\%$: $\pm(3.0\% + 0.1\Omega)$ $\pm 1\%$: $\pm(1.0\% + 0.1\Omega)$
				Load life	负载寿命 $\pm 5\%$: $\pm(3.0\% + 0.1\Omega)$ $\pm 1\%$: $\pm(1.0\% + 0.1\Omega)$

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

订购方式 (例如: 高功率 HP06 1/2W 5% 120K Ω 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。

Mouser Electronics

Authorized Distributor

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<u>HP02WAF1101TCE</u>	<u>HP02WAF1152TCE</u>	<u>HP02WAF1303TCE</u>	<u>HP02WAF160JTCE</u>	<u>HP02WAF1803TCE</u>
<u>HP02WAF1910TCE</u>	<u>HP02WAF2150TCE</u>	<u>HP02WAF240KTCE</u>	<u>HP02WAF270JTCE</u>	<u>HP02WAF3004TCE</u>
<u>HP02WAF330JTCE</u>	<u>HP02WAF3903TCE</u>	<u>HP02WAF4304TCE</u>	<u>HP02WAF4533TCE</u>	<u>HP02WAF4990TCE</u>
<u>HP02WAF6041TCE</u>	<u>HP02WAF6802TCE</u>	<u>HP02WAF6813TCE</u>	<u>HP02WAF7961TCE</u>	<u>HP02WAJ0000TCE</u>
<u>HP02WAJ0115TCE</u>	<u>HP02WAJ0132TCE</u>	<u>HP02WAJ0162TCE</u>	<u>HP02WAJ022JTCE</u>	<u>HP02WAJ0303TCE</u>
<u>HP02WAJ0333TCE</u>	<u>HP02WAJ0430TCE</u>	<u>HP02WAJ0564TCE</u>	<u>HP02WAJ0751TCE</u>	<u>HP02WAJ0821TCE</u>
<u>HP03W5F1004T5E</u>	<u>HP03W5F1272T5E</u>	<u>HP03W5F150JT5E</u>	<u>HP03W5F1600T5E</u>	<u>HP03W5F1651T5E</u>
<u>HP03W5F2202T5E</u>	<u>HP03W5F270KT5E</u>	<u>HP03W5F3241T5E</u>	<u>HP03W5F332JT5E</u>	<u>HP03W5F3902T5E</u>
<u>HP03W5F470JT5E</u>	<u>HP03W5F5604T5E</u>	<u>HP03W5F6202T5E</u>	<u>HP03W5F7504T5E</u>	<u>HP03W5J0000T5E</u>
<u>HP03W5J0122T5E</u>	<u>HP03W5J0132T5E</u>	<u>HP03W5J016JT5E</u>	<u>HP03W5J0243T5E</u>	<u>HP03W5J0303T5E</u>
<u>HP03W5J0360T5E</u>	<u>HP03W5J0430T5E</u>	<u>HP03W5J0564T5E</u>	<u>HP03W5J0751T5E</u>	<u>HP03W5J0821T5E</u>
<u>HP05W3F1004T5E</u>	<u>HP05W3F1242T5E</u>	<u>HP05W3F158KT5E</u>	<u>HP05W3F160KT5E</u>	<u>HP05W3F2003T5E</u>
<u>HP05W3F2491T5E</u>	<u>HP05W3F2800T5E</u>	<u>HP05W3F3002T5E</u>	<u>HP05W3F3160T5E</u>	<u>HP05W3F3650T5E</u>
<u>HP05W3F4703T5E</u>	<u>HP05W3F5103T5E</u>	<u>HP05W3F560JT5E</u>	<u>HP05W3F6202T5E</u>	<u>HP05W3F750KT5E</u>
<u>HP05W3F9104T5E</u>	<u>HP05W3J0103T5E</u>	<u>HP05W3J012JT5E</u>	<u>HP05W3J0183T5E</u>	<u>HP05W3J0240T5E</u>
<u>HP05W3J0270T5E</u>	<u>HP05W3J0334T5E</u>	<u>HP05W3J0471T5E</u>	<u>HP05W3J0561T5E</u>	<u>HP05W3J0625T5E</u>
<u>HP05W3J0755T5E</u>	<u>HP06W2F1021T5E</u>	<u>HP06W2F1202T5E</u>	<u>HP06W2F124KT5E</u>	<u>HP06W2F1501T5E</u>
<u>HP06W2F1741T5E</u>	<u>HP06W2F2000T5E</u>	<u>HP06W2F205JT5E</u>	<u>HP06W2F2403T5E</u>	<u>HP06W2F270KT5E</u>
<u>HP06W2F301KT5E</u>	<u>HP06W2F3300T5E</u>	<u>HP06W2F3321T5E</u>	<u>HP06W2F3603T5E</u>	<u>HP06W2F374JT5E</u>
<u>HP06W2F4303T5E</u>	<u>HP06W2F4703T5E</u>	<u>HP06W2F499JT5E</u>	<u>HP06W2F5233T5E</u>	<u>HP06W2F6204T5E</u>