

HIGH POWER AND HIGH VOLTAGE THICK FILM CHIP RESISTOR

高功率電阻及 高壓厚膜晶片電阻



HP / HV TYPE

HP

- High power
- 高功率
- Rated ambient temperature : +70°C
- 額定環境溫度 +70°C
- Operating temperature range : -55°C ~ +155°C
- 工作溫度範圍 -55°C ~ +155°C
- Suitable for both flow and reflow soldering
- 適用於迴流焊及波峰焊

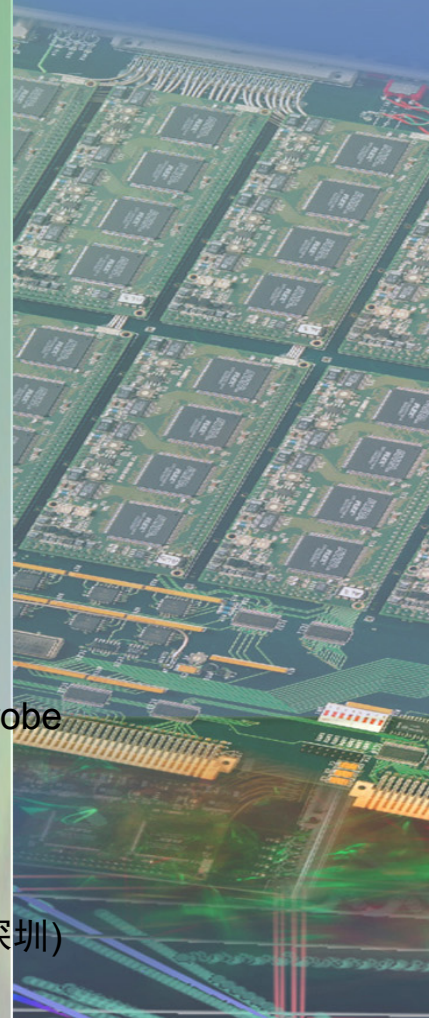
HV

- Higher limiting element voltage
- 高的有限電壓
- Stability class : 5%
- 穩定級別 5%
- Suitable for both flow and reflow soldering
- 適用於迴流焊及波峰焊
- Ideal for use in AV adapters, LCD back-light, Camera strobe
- 適用於電源整流器, LCD背光電源, 照相機閃光燈

Website: www.royalohm.com

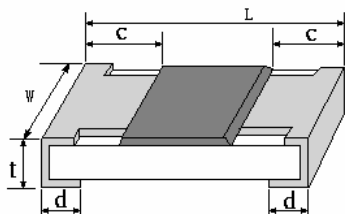
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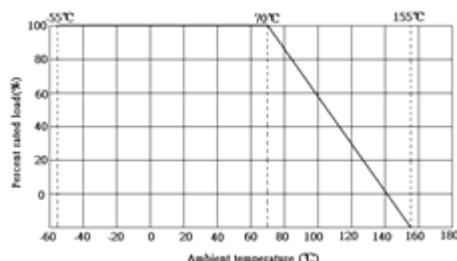


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Structure 結構



Derating Curve 功率下降曲線



HP TYPE

Type 規格	Power(70°C) 功率	Max Working Voltage 最大工作電壓	Max Overload Voltage 最大過負荷電壓	Resistance Range 1%(E96)、5%(E24) 阻值範圍	Operating Temperature Range 溫度範圍
HP03 (0603)	1/5W	50V	100V	1Ω~10M	-55°C~+155°C
HP05 (0805)	1/3W	150V	300V		-55°C~+155°C
HP06 (1206)	1/2W	200V	400V		-55°C~+155°C

Type 規格	L (mm)	W (mm)	t (mm)	c (mm)	d (mm)
HP03	1.60±0.10	0.80 +0.15 -0.10	0.45±0.10	0.30±0.20	0.30±0.20
HP05	2.00±0.15	1.25 +0.15 -0.10	0.55±0.10	0.40±0.20	0.40±0.20
HP06	3.10±0.15	1.55 +0.15 -0.10	0.55±0.10	0.45±0.20	0.45±0.20

HV TYPE

Type 規格	Power Rating 功率範圍	MAX. Working Voltage 最大工作電壓	MAX. Overload Voltage 最大過負荷電壓	Resistance Range 阻值範圍	Operating Temperature Range 溫度範圍
HV03	1/16W (1/10WS)	200V	400V	100KΩ~10MΩ	-55°C~+155°C
HV05	1/10W (1/8WS)	400V	800V		-55°C~+155°C
HV06	1/8W (1/4WS)	500V	1000V		-55°C~+155°C
HV10	1/2W	2000V	3000V	50KΩ~10MΩ	-55°C~+155°C
HV12	1W	800V	1600V		-55°C~+155°C

Type 規格	L (mm)	W (mm)	t (mm)	c (mm)	d (mm)
HV03	1.60±0.15	0.80 +0.15 -0.10	0.45±0.10	0.30±0.20	0.30±0.20
HV05	2.00±0.15	1.25 +0.15 -0.10	0.55±0.10	0.40±0.20	0.40±0.20
HV06	3.10±0.15	1.55 +0.15 -0.10	0.55±0.10	0.45±0.20	0.45±0.20
HV10	5.00±0.10	2.50 +0.15 -0.10	0.55±0.10	0.60±0.25	0.50±0.20
HV12	6.35±0.10	3.20 +0.15 -0.10	0.55±0.10	0.60±0.25	0.50±0.20

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