厚膜網絡電阻器

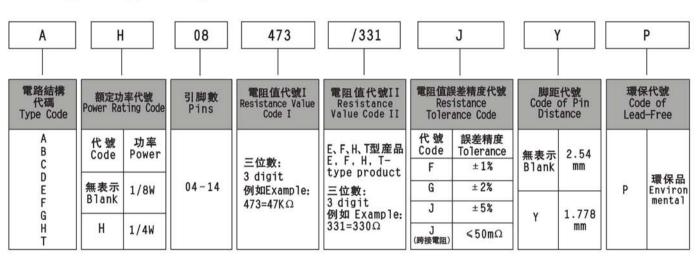
Thick Film Network Resistor

■特 點 Features

- 按工業標准尺寸生産,小型化,組裝密度高 Industry standard size,miniature,high density assembly
- 可靠性高,使用壽命長,防潮性、抗腐蝕性好
 High reliability,long life excellentmoistureproof and cauterization
- 設計靈活,可根據用户要求生產
 Free design, producting according to the consumer require
- ■應用領域 Application

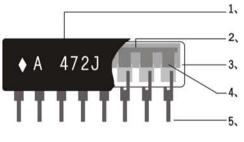
應用于工業設備、家用電器、醫療設備以及測試與測量設備

Application to Industrial equipment, household appliances, medical equipment and test and measurement equipment

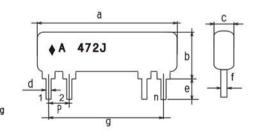


■品名構成 Type Designation





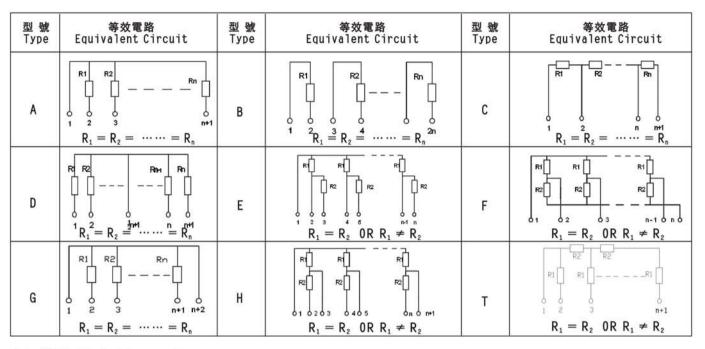






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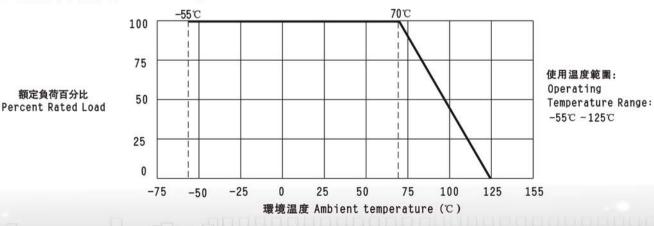
■ 等效電路 Equivalent Circuit



■ 規格尺寸 Dimensions

代號 Code	常規尺寸 Normal Dimension		特殊尺寸 Special Dimension		
а	2.54×(n-1)+2.50max		1.778×(n-1)+3.20max		
b —	A、B、C、D、E、F、G、H 型 Type	5.08max	A、B、C、D、E、F、G、H 型 Type	5.08max	
	T 型 Type	8.50max	T 型 Type	8.50max	
С	3.00max		3.00max		
d	0.50±0.1		0.50 ± 0.1		
е	3.50±0.5		3.50 ± 0.5		
f	0.25±0.1		0.30 ± 0.1		
g	$2.54 \times (n-1) \pm 0.3$		1.778×(n-1)±0.3		
p	2.54 ± 0.1		1.778±0.1		

■ 負荷下降曲綫 Derating Curve



厚膜網絡電阻器

Thick Film Network Resistor



■ 特性 Characteristics

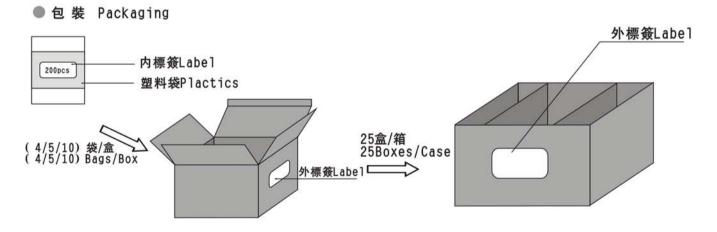
試驗項目 Test Item	規定值 Standard	測試方法 Test Method
引出端强度 Terminal Strength	△R ≤(1%R+0.05Ω), 0Ω(跨接電阻) △R ≤(1%R+0.05Ω), 0Ω(Jumper resistance) <50mΩ	按照GB/T 8976-1996 中4.5.12條的規定執行 According to GB / T 8976-1996 in the implementation of the provisions of Article 4.5.12
可焊性 Solderability	試驗后外觀無异常, 且上錫率不小于95% No abnormal appearance after the test, and the rate of not less than 95%	IEC 60115-1 4.17 260℃±5℃,2s±0.5s, 浸入深度: 浸到距本體(1.5~2)mm或 出端長度的一半處(取最小者) 260℃±5℃,2s±0.5s, Immersion depth: dipped away from the body (1.5 to 2)mm, or half of the terminal length (whichever is least)
耐焊接熱 Resistance to Soldering Heat	△R <(1%R+0.05Ω), 0Ω(跨接電阻) △R <(1%R+0.05Ω), 0Ω(Jumper resistance) <50mΩ	IEC 60115-1 4.18 270°C ± 5°C,5s ± 1s
電阻温度系數 T.C.R	在規定值内 within specified T.C.R	IEC 60115-1 4.8 +25℃/-55℃/+25℃/+125℃/+25℃
短時間過負載 Short Time Overload	△R <(2%R+0.05Ω), 0Ω(跨接電阻) △R <(2%R+0.05Ω), 0Ω(Jumper resistance) <50mΩ	IEC 60115-1 4.13 施加2.5倍額定電壓或最大過負荷電壓(取較小者)持續5秒 Apply 2.5 times rated voltage or Max overload voltage, whichever is lower, for 5 s.
温度快速變化 Rapid Change of Temperature	△R <(1%R+0.05Ω), 0Ω(跨接電阻) △R <(1%R+0.05Ω), 0Ω(Jumper resistance) <50mΩ	IEC 60115-1 4.19 -55℃(30分钟)~常温(5分钟)~125℃(30分钟)5個循環 -55℃(30min)~mornaltemperature(5min)~125℃(30mir 5cycles
70で耐久性 Endurance at 70で	△R ≤(3%R+0.05Ω), 0Ω(跨接電阻) △R ≤(3%R+0.05Ω), 0Ω(Jumper resistance) ≤50mΩ	IEC 60115-1 4.25.1 70℃±2℃, 1000小時, 額定電壓或元件極限電壓(取較小値 通1.5小時/斷0.5小時。 70℃±2℃, 1000h, Rated voltage or limiting elemen voltage whichever is lower 1.5h ON/0.5h OFF.
穩態濕熱 Damp Heat Steady State	△R <(3%R+0.05Ω), 0Ω(跨接電阻) △R <(3%R+0.05Ω), 0Ω(Jumper resistance) <50mΩ	IEC 60115-1 4.24 40℃±2℃,93%±3%RH, 額定電壓或最大工作電壓(取較小者): 1.5小時, 斷0.5小時, 持續500小時。 Resistor should be exposed at $40℃\pm2℃$, $93\%\pm3\%$ RH, 1000h and apply rated voltage or Max working voltage, whichever is lower, for 1.5h on, 0.5h off for 1000h.
上限類别温度耐久性 Endurance at Upper Category Temperature	△R <(3%R+0.05Ω), 0Ω(跨接電阻)<50mΩ △R <(3%R+0.05Ω), 0Ω(Jumper resistance) <50mΩ	IEC 60115-1 4.25.3 125°C ± 2°C 1000h Resistor should be exposed at 125°C ± 3°C for1000 h.
耐溶劑性 Component Solvent Resistance	試驗后產品外觀無异常,標志應清晰可見 No abnormal appearance of the product after the test, signs should be clearly visible	使用溶劑:异丙醇;溶劑温度: (23±2)℃; 浸泡時間: (10±1)h Solvent: isopropyl alcohol; solvent temperature: (23±2)℃; soaking time: (10±1)h
包封絶緣耐電壓 Coating Dielectric Withstanding Voltage	無弧光, 燃燒或本體被擊穿等現象 No arc, burning or other body is the breakdown phenomenon	在引脚和包封層之間施加500VDC, 持續時間: 1min. In the encapsulation layer is applied between the pin and 500 VDC, Duration: 1min.
包封絶緣阻抗 Coating Insulation Resistance	R>100MΩ	在引脚和包封層之間施加500VDC, 持續時間: 1min. In the encapsulation layer is applied between the pin and 500 VDC, Duration: 1min.

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■ 額定值 Ratings

項目 Item	標准 Specification		
額定功率 Power Rating	1/8W(1/4W)		
最大工作電壓 Max.Operating Voltage	200V		
最大過負荷電壓 Max.Overload Voltage	280V		
跨接電阻額定電流 Jumper Rated Current	2A		
電阻温度系數 Resistance Temperature Coefficient (T.C.R)	10Ω <r<1μω:±100ppm ℃<br="">1Ω <r<10ω,1mω<r<10μω:±250ppm td="" ℃<=""></r<10ω,1mω<r<10μω:±250ppm></r<1μω:±100ppm>		
阻值誤差精度 Resistance Tolerance	±1% , ±2% , ±5% 跨接電阻Jumper: <50mΩ		
阻值範圍 Resistance Range	0Ω(跨接電阻Jumper)、1.0Ω~10MΩ E-24系列		
使用温度範圍 Operating Temperature Range	-55°C ~+125°C		
額定温度 Rated Temperature	+70°C		

■包裝 Packaging



● 包裝數量 Packaging quantity

塑料袋散包裝 Bag	袋 Bag	盒 Box			箱 Case
	200pcs	4~5脚Pins	6~11脚Pins	12~14脚Pins	- 25 Boxes Max.
2.54mm脚距		10 Bags	5Bags	4Bags	
		4~7脚Pins	8~14脚Pins	1	
1.778mm脚距		10 Bags	5Bags	1	

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