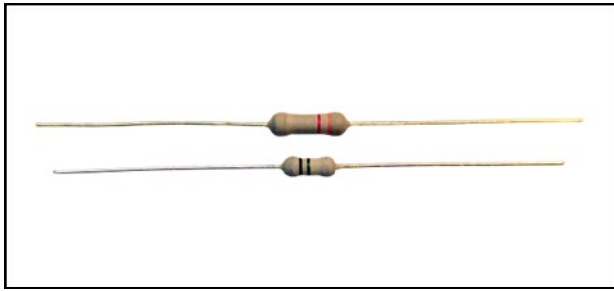


# RATED CURRENT FUSIBLE RESISTOR

RFA

電流式保險絲電阻器

RATED CURRENT FUSIBLE RESISTOR (Standard Type)



塗料顏色 : Coating Color  
標準品 : Standard Type Gray  
標示 : Color Code

## 特性 Feature

- ◎ 使用不燃性塗料,具不燃與絕緣之安全特性(UL94 V-0)
- ◎ Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base. (Equivalent to UL94 V-0)
- ◎ 電流式保險絲提供電阻器熔斷遲延的性能及在定電流作業下的高穩定性
- ◎ The rated current fusible resistor combines time delay performance Characteristics with the proven reliability of a rated current fusible.
- ◎ 產品符合歐盟 RoHS 要求
- ◎ Products meet EU-RoHS.

## 參考規格 Reference standards

- JIS C 5201-1

## 二次加工對應表 Taping & Forming Matrix

Rated Current (A)	Taping			Radial Taping		L Forming					C Forming				F Forming				M Forming			D Forming		
	A52	A64	A73	FT	YT	L10	L12.5	L15	L20	L30	C12.5	C15	C20	C30	FA5	FB5	FC5	FD5	M12.5	M15	M20	D12.5	D15	D20
≤ 3A	○	-	-	○	-	○	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	○	-	-
> 3A	○	-	-	○	○	-	○	-	-	-	○	-	-	-	○	○	○	○	-	○	-	-	○	-

## 額定 Ratings

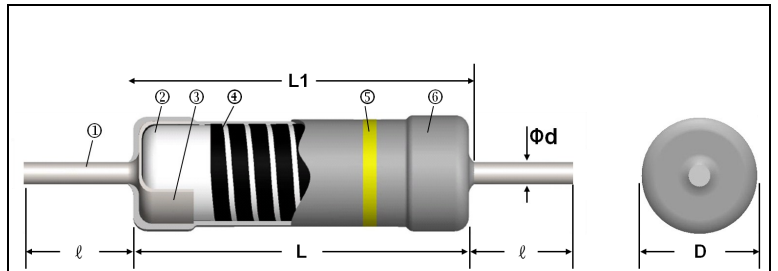
Rated Current (A)	耐電壓 Dielectric Withstanding Voltage	溫度係數 T.C.R.	包裝 Taping/Ammo, Forming/Bulk pack(pcs)						
			A52	A64	FT	YT	L	C	
≤ 3A	100V	±350ppm/°C	2500	-	2000	2000	2500	2500	
> 3A			2000	-	1000	1000	2500	2500	

## 熔斷特性 Fusing characteristics

額定電流% Percentage of Ampere Rating	熔斷時間 Opening Time
100%	4Hours Min
200%	1 second~60second Max
300%	0.2 second~3 second Max
800%	0.02 second~0.2 second Max

殘留阻值為公稱阻值 100 倍以上(Residual resistance ≥ 100 times nominal resistance)

## 結構圖 Construction



1	端子線	Lead wire	5	保險型皮膜	Fusible film
2	瓷棒	Ceramic base	6	標示	color code
3	鐵帽	Cap			
4	切割線	Helical cutting groove	7	絕緣塗料	Insulation coat

## 外型尺寸 Dimensions

Rated Current (A)	Dimensions (mm)					Weight (g) (1000pcs)
	L	L1 Max.	D	Ød	l	
≤ 3A	6.0±0.3	7	2.4±0.1	0.6±0.05	28±2	218
> 3A	9±0.5	11	3.0±0.5		28±3	320

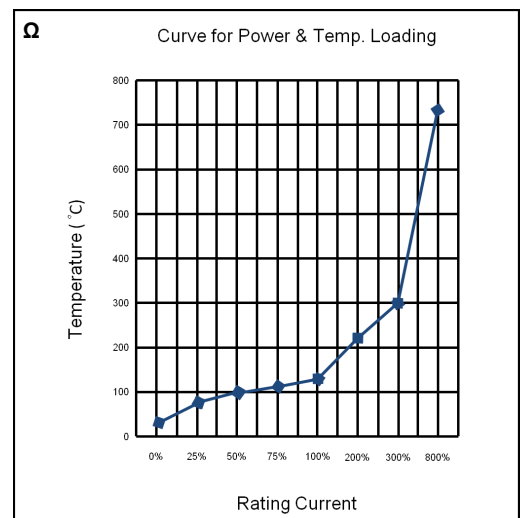
## 料號編碼 Type composition

例 Example

RF	A	00	J	A100	A520	NH
型名 Type	品名 Size	空欄 Blank	誤差值 Tolerance	電阻值(Ω) Resistance	二次加工 Forming	端子線 Lead Wire
		無註記	F±1% G±2% J±5%	A100=0.1A 1A50=1.5A 3A00=3A 7A00=7A	See table below	熱鍍線 Heat plated

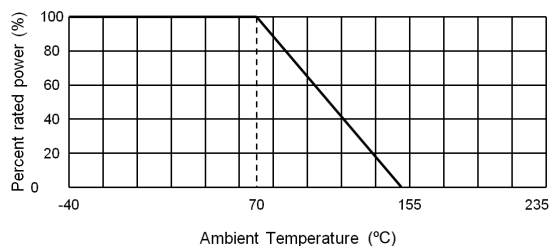
## 額定電流電阻表面溫度曲線

Curve of temp. rise and rated current

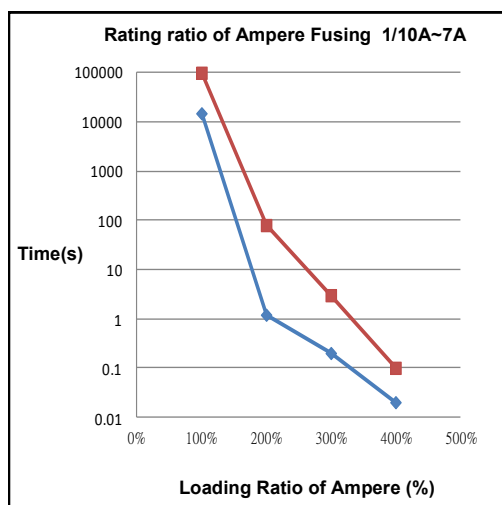


### ■ 額定溫度下降曲線圖 Derating curve

例 Example



### ■ 定電流熔斷曲線 Fuse curve of rated current



### ■ 訂購資訊 Ordering information

Order	Amperes	Voltage	Body	Melting
A250	1/4	125	25*65	0.125
A375	3/8	125	25*65	0.28
A500	1/2	125	25*65	0.50
A750	3/4	125	25*65	1.12
1A00	1.00	125	25*65	2.00
1A50	1.1/2	125	25*65	5.50
2A00	2.00	125	25*65	8.00
2A25	2.1/4	125	25*65	10.12
2A50	2.1/2	125	25*65	12.50
3A00	3.00	125	25*65	18.0
3A15	3.15	125	25*65	20.0
4A00	4.00	125	28*92	32.0
5A00	5.00	125	28*92	50.0
7A00	7.00	125	28*92	98.0

### ■ 性能 Performance

試驗項目 Test Items	規格值 Performance Requirements	試驗方法 Test Methods
電阻值 Resistance	規定的誤差值內 Within specified tolerance	測量點從端蓋 10mm Measuring points are 10mm from the end cap
溫度係數 T.C.R.	規定值內 Within specified T.C.R.	室溫+100°C Room temperature +100°C
短時間過負荷 Short time overload	±(2%+0.05Ω)	4 倍額定功率，5 秒 4 times the rated power for 5 seconds
負荷壽命 Load life	±(5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐濕負荷壽命 Load life in humidity	±(5%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐濕性 Moisture resistance	±(1%+0.05Ω)	40°C, 95% RH, 240 小時 40°C, 95% RH for 240 hours
溫度循環 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) ; room temp. (30min) ~ +85°C (30min) room temp. (30min)
焊錫效果 Soldeability	95 % (min) coverage	Temp. of solder 245°C ± 5°C duration of immersion 3s±0.5s
焊錫耐熱 Resistance to soldering heat	±(1%+0.05Ω)	260°C ±5°C for 10 seconds (焊錫槽) 350°C±10°C for 3.5 seconds (手焊錫)
絕緣電阻 Insulation resistance	>1,000MΩ	500V 絕緣測試 1 分鐘 500V insulation test 1min.
不燃性 Flameproof	無燃燒現象 No evidence of flaming or arcing	AC voltage of 2,4,8,16,32 times the power rating for 1min. (V ≤ 4 times max. working voltage)