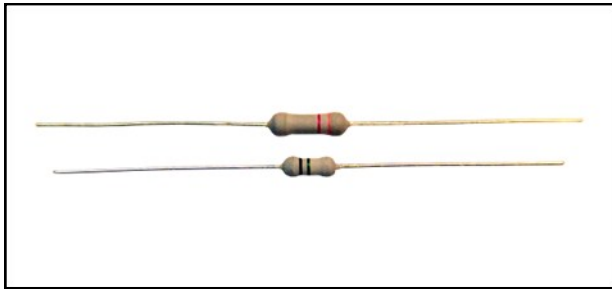


RATED CURRENT FUSIBLE RESISTOR

RFA

电流式保险丝电阻器

RATED CURRENT FUSIBLE RESISTOR (Standard Type)



涂料颜色 : Coating Color
 标准品 : Standard Type Gray
 标示 : Color Code

特性 Feature

- ◎ 使用不燃性涂料, 具不燃与绝缘之安全特性(UL94 V-0)
- ◎ Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base. (Equivalent to UL94 V-0)
- ◎ 电流式保险丝提供电阻器熔断迟延的性能及在定电流作业下的高稳定性
- ◎ The rated current fusible resistor combines time delay performance Characteristics with the proven reliability of a rated current fusible.
- ◎ 产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

参考规格 Reference standards

- JIS C 5201-1

二次加工对应表 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	○	-	-	○	○	-	○	-	-	-	○	-	-	-	○	○	○	○	-	○	-	-	○	-

额定 Ratings

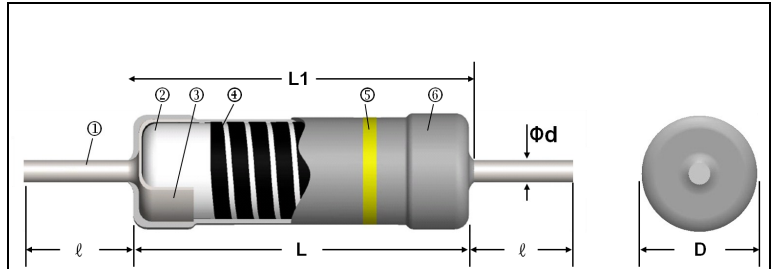
Rated Current (A)	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Taping/Ammo, Forming/Bulk pack(pcs)						
			A52	A64	FT	YT	L	C	
≤ 3A	100V	±350ppm/°C	2500	-	2000	2000	2500	2500	
> 3A			2000	-	1000	1000	2500	2500	

熔断特性 Fusing characteristics

额定电流% Percentage of Ampere Rating	熔断时间 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

残留阻值为公称阻值 100 倍以上(Residual resistance ≥ 100 times nominal resistance)

结构图 Construction



1	端子线	Lead wire	5	保险型皮膜	Fusible film
2	瓷棒	Ceramic base	6	标示	color code
3	铁帽	Cap			
4	切割线	Helical cutting groove	7	绝缘涂料	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

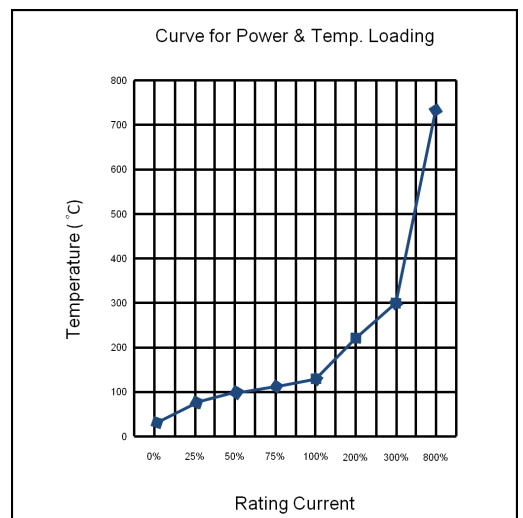
料号编码 Type composition

例 Example

RF	A	00	J	A100	A520	NH
型名 Type	品名 Size	空栏 Blank	误差值 Tolerance	电阻值(Ω) Resistance	二次加工 Forming	端子线 Lead Wire
		无注记	F±1% G±2% J±5%	A100=0.1A 1A50=1.5A 3A00=3A 7A00=7A	See table below	热镀线 Heat plated

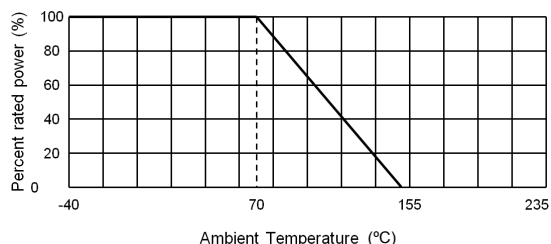
额定电流电阻表面温度曲线

Curve of temp. rise and rated current

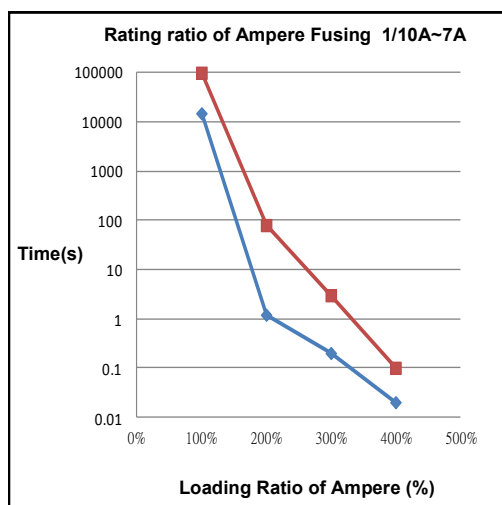


■ 额定温度下降曲线图 Derating curve

例 Example



■ 定电流熔断曲线 Fuse curve of rated current



■ 订购信息 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

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100°C Room temperature +100°C
短时间过负荷 Short time overload	±(2%+0.05Ω)	4 倍额定功率, 5 秒 4 times the rated power for 5 seconds
负荷寿命 Load life	±(5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐湿负荷寿命 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
耐湿性 Moisture resistance	±(1%+0.05Ω)	40°C, 95% RH, 240 小时 40°C, 95% RH for 240 hours
温度循环 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) ; room temp. (30min) ~ +85°C (30min) room temp. (30min)
焊锡效果 Soldeability	95 % (min) coverage	Temp. of solder 245°C ± 5°C duration of immersion 3s±0.5s
焊锡耐热 Resistance to soldering heat	±(1%+0.05Ω)	260°C ±5°C for 10 seconds (焊锡槽) 350°C±10°C for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	>1,000MΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.
不燃性 Flameproof	无燃烧现象 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)