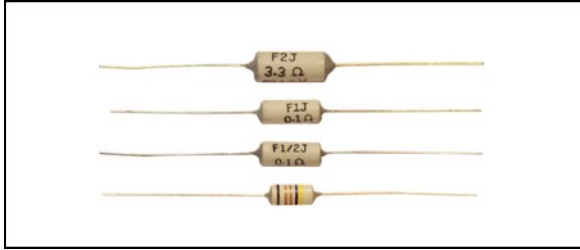


FUSING RESISTOR

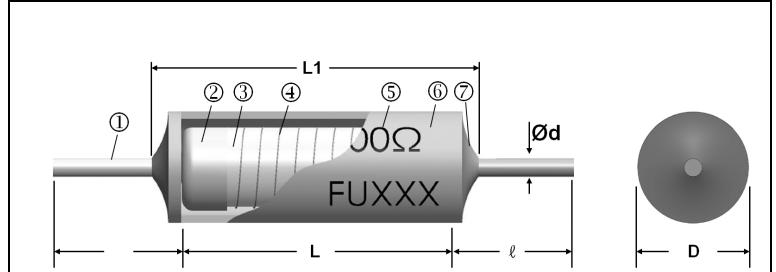
RFB 防爆保险丝电阻器
ANTI-BURST FUSIBLE RESISTOR (Wire Type)

RFF 防爆保险丝电阻器
ANTI-BURST FUSIBLE RESISTOR (Film Type)



本体颜色 : Body Color
白色 : White
标示 : Marking
色码 : Color Code(1/4W)
文字 : Alphanumeric (1/2W~3W)

结构图 Construction



1	端子线	Lead wire	5	标示	Marking
2	铁帽	Cap	6	瓷管	Ceramic tube
3	瓷棒	Ceramic base			
4	绕线	Wire wound	7	绝缘涂料	Insulation coat

特性 Feature

- ◎ 防爆式绕线保险丝或防爆式皮膜保险丝
- ◎ The ANTI-BURST Type wire wound or film type fusible.
- ◎ 提供无爆裂与保护环境的安全熔断特性, 准确的熔断性能
- ◎ Resistors can provide reliable and environmentally safe fusing behavior.
- ◎ 在额定功率下作业的持久高稳定性
- ◎ Reliable performance and endurance to surge voltage.
- ◎ 产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

产品认证 Approvals awarded

- UL 1412 File No.E257690

参考规格 Reference standards

- JIS C 5201-1

外型尺寸 Dimensions

Rated Power (W)	Dimensions (mm)					Weight (g) (1000pcs)
	L	L1 Max.	D	Ød	ℓ	
1/4	7.5±0.5	10	3.6±0.5	0.6±0.05	26±2	310
1/2	11±1	14	4.3±0.5			490
1	11±1	14	4.3±0.5			490
2	13±1	16	5.5±0.5	0.8±0.05	30±3	1250
3	17±1	20	7.0±0.5			35±3

料号编码 Type composition

例 Example

RF	B	14	J	R100	A520	NH
型名 Type	品名 Size	额定功率 Rated Power	误差值 Tolerance	电阻值(Ω) Resistance	二次加工 Forming	端子线 Lead Wire
	B: Wire	14:1/4W	J±5%	R100=0.1	See table below	热镀线 Heat plated
	F: Film	12:1/2W		1R00=1		
		01:1W		10R0=10		
		02:2W		1000=100		
		03:3W				

二次加工对应表 Taping & Forming Matrix

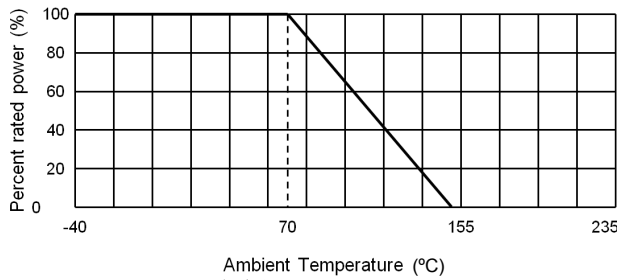
Rated Power (W)	Taping			Radial Taping		L Forming					C Forming			F Forming				M Forming			D Forming				
	A52	A64	A73	FT	YT	L10	L12.5	L15	L20	L30	C12.5	C15	C20	C30	FA5	FB5	FC5	FD5	M12.5	M15	M20	D12.5	D15	D20	
1/4	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/2,1	○	-	-	-	-	-	-	○	-	-	-	○	-	-	○	○	○	○	-	○	-	-	○	-	-
2	-	○	-	-	-	-	-	-	○	-	-	○	-	-	○	○	○	○	-	-	○	-	-	-	○
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

额定 Ratings

Rated Power (W)	阻值范围 Resistance Range (Ω)		最高使用电压 Max. Working Voltage	最高过负荷电压 Max. Overload Voltage	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Taping/Ammo,Forming/Bulk pack (pcs)					
	J±5% (E24)						A52	A64	FT	YT	L	C
1/4	0.1 ~ 100		250V	500V	1,500V	≤ 1Ω : ± 500ppm/°C > 1Ω : ± 300ppm/°C	1000	-	-	-	-	-
1/2							1000	-	-	-	2500	2500
1							1000	-	-	-	1000	1000
2							-	500	-	-	1000	1000
3							-	-	-	-	-	-

额定温度下降曲线图 Derating curve

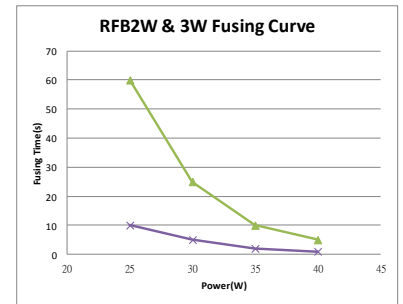
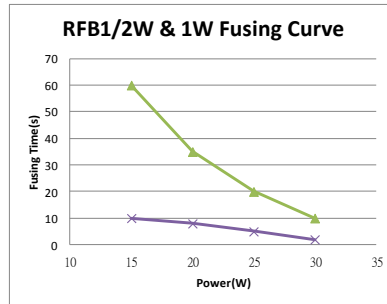
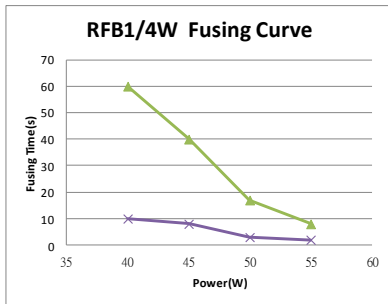
例 Example



熔断特性 Fusing characteristics (参考用 Reference)

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

1/4W	Power Rating I=constant	Opening Time	1/2W & 1W	Power Rating I=constant	Opening Time	2W & 3W	Power Rating I=constant	Opening Time
	45W	8 sec ~ 40 sec Max		20W	8 sec ~ 35 sec Max		30W	5 sec ~ 35 sec Max
50W	3 sec ~ 15 sec Max	25W	5 sec ~ 20 sec Max	35W	2 sec ~ 10 sec Max			
55W	2sec ~ 8sec Max	30W	2sec ~ 10sec Max	40W	1sec ~ 5sec Max			



※能量可以依客户需求制作 Energy can be produced according to customer demand

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	$\pm(1\%+0.05\Omega)$	4 倍额定功率，5 秒 4 times the rated power for 5 seconds
负荷寿命 Load life	$\pm(5\%+0.1\Omega)$	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	$\pm(5\%+0.1\Omega)$	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	$\pm(1\%+0.05\Omega)$	40°C, 95% RH, 240 小时 40°C, 95% RH for 240 hours
温度循环 Temperature cycle	$\pm(1\%+0.05\Omega)$	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 \pm 5°C duration of immersion 3s \pm 0.5s
焊锡耐热 Resistance to soldering heat	$\pm(1\%+0.05\Omega)$	260°C \pm 5°C for 10 seconds (焊锡槽) 350°C \pm 10°C for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	>1,000M Ω	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. ($V \leq$ 4 times max. working voltage)