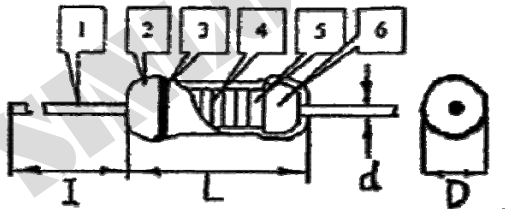
塗裝絕緣保險絲電阻 Coat-insulated Fusing Resistors

※ 产品结构图 Construction:



No	材料名称 NAME	
1	引线	LEAD WIRE
2	面漆	COATING
3	色码带	MARKING
4	导电层	METAL FILMALLOY
5	瓷基体	CERAMIC CORE
6	电极帽	END CAP

外形尺寸 Dimensions:

型号 Type	尺寸 Dimensions (mm)			
	L	D	I	d
RF10-1/4W RF10-1/2WS	7.0±0.5	2.5±0.2	25±0.2	0.56
RF10-1/2W RF10-1WS	10±0.5	3.0±0.5	25±0.2 40±0.2	0.56
RF10-1W RF10-2WS	10±0.5	3.5±0.5	25±0.2 40±0.2	0.56

参照标准 Reference Standard:
IEC 60115-1
JISC 520-2
UL 1412

※ 订货方式 How to Order:

RF10 1/2W 0.47Ω J T/R
a b c d e

a. 名称 a. common code for fusing resistors
b. 额定功率 b. rated power
c. 电阻值 c. resistance value
d. 容许误差 d. tolerance (J: ±5%)
e. 包装方式 e. package (bulk, tape in box, tape & reel)

※ 保险丝电阻器

电阻器与保险丝在材质及构造上本身就有类似处，而保险丝电阻器兼备二者的功能，平时可当做电阻器使用，一但电流异常时就发挥其保险丝的作用来保护机器设备。由于有二用的功能故成本随之降低。本公司生产的保险丝电阻器，具有高精密的制造技术，使得熔断特性和耐冲击功能更趋精确及稳定，而达到更高品质性能的产品。

特性 ：

1. 通用于需要保护的各种电路基板及设计。
2. 小形耐用，具有竞争性价格。
3. 不燃性绝缘涂装 ， 可耐溶剂清洗及适高温。
4. 温度系数低。(under±250ppm/℃)
5. 保险丝烙断时间一致。(10S – 30S)
6. 采用 UL 认证面漆材料 UL94(V-0)。

※ RF10 Fusing Resistors:

There are some similarities between Resistors and Fuses in material and structure. Fusing Resistors contain both functions, as being resistor in normal condition and changed into fuse while abnormal current comes in to product machine and equipment. Since two functions performed by one resistor, the cost therefore saved. Our RF10 fusing Resistor series are produced with precision technique, enabling precise fusing time and stabilized, aiming to reach best quality resistors.

Features:

1. **it is suitable for protecting circuit boards and design.**
2. **Small in size with competitive price.**
3. **Noncombustible insulating coat. “Solvent” proof and resistant to high temperature.**
4. **Low temperature coefficient. (under±250ppm/℃)**
5. **Uniform in fusing time. (10S-30S)**
6. **Coated by UL recognized 94V-0 Flame-retardant coating.**

型号 Type	额定功率 Power Rating	阻值范围 Resistance range(Ω) (E24) J ±5%	熔断特性 Fusing Characteristics				温度系数 T.C.R. (PPM/℃)	耐电压 Dielectric Withstanding Voltage	包装数 Packaging (SCS)		
			额定功率倍数 Magnification of power rating			熔断时间 Fusing time			65mm	T52A	90mm
RF10	1/4 W	0.22Ω-10KΩ	X15	X20	X25	≤60S	350 ppm	>600 V	--	2500	--
RF10	1/2 W(S)	0.22Ω-10KΩ	X15	X20	X25	≤60S	350 ppm	>600 V	2000	2000	1500
RF10	1 W(S)	0.2Ω-10KΩ	X10	X20	X25	≤60S	350 ppm	>600 V	2000	2000	1500
RF10	2 WS	0.2Ω-10KΩ	X10	X20	X25	≤60S	350 ppm	>600 V	2000	2000	1500

备注：UL 认可范围：1/4W：0.22Ω-100Ω；1/2W：0.22Ω-100Ω；1W：0.2Ω-75Ω

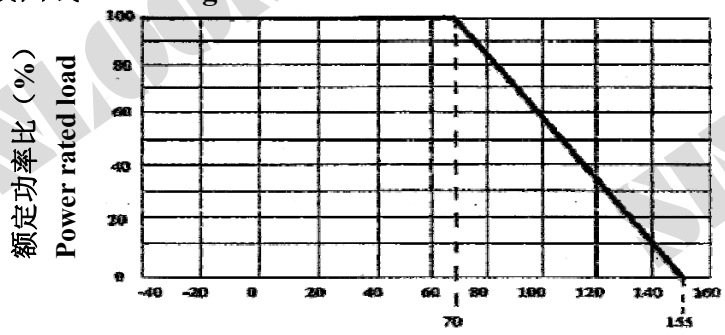
额定环境温度 Rated Ambient Temperature：70℃

使用温度范围 Operating Temperature Range：-40℃ - +155℃

额定电压 Rated Continuous Working Voltage：

$$\text{额定电压(RCWV)} = \sqrt{\text{功率(Power Rating)X 标称阻值(Resistance Value)}}$$

※ 负荷轻减曲线 Derating Curve：



周围温度 Ambient temperature (℃)

※ 特殊电气特性 Power Characteristic：

项目 ITEM	试验方法 TEST METHODS	性能要求 PERFORMANCE REQUIREMENT
温度特性 Temperature Coefficient	±250ppm/℃	
短时间过负荷 Short Time Overload	应加 2.5 倍额定电压 5 秒 2.5 time of rated voltage 5 second	ΔR≤±(1%R_0+0.05Ω)
断续过负荷 Pulse Overload	应加 2.5 倍额定电压测试 1 秒，停止 25 秒，循环 10000 次 Resistance change after 10000 cycles (1 second ON, 25 second OFF) at 2.5 time RCWV.	ΔR≤±(2%R_0+0.05Ω)
焊接耐热性 Resistance to Soldering Heat	LIS 5202 6.4	ΔR≤±(1%R_0+0.05Ω)
耐湿负荷寿命 Load Life in Humidity	LIS 5202 7.9	ΔR≤±(5%R_0+0.1Ω)
耐热负荷寿命 Load life	LIS 5202 7.10	ΔR≤±(5%R_0+0.1Ω)
不燃性 Noninflammability	分别按 5, 10, 16 倍额定功率加交流负荷 1 分钟,不可燃烧 Load 1 min. according to 16 time power rated and A.C., Noninflammable	
熔断特性 Fusing Characteristics	熔断时间由买方与本公司协商决定 Fuing time is decided by the consultation of buyers and manufacturer.	