

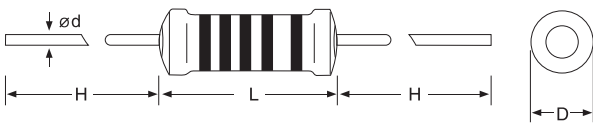


FR 保險絲金屬皮膜電阻器 FUSIBLE METAL FILM RESISTORS

■ 特性 Feature

- 溫度係數小、阻值精度高
Small temperature coefficient, high precision resistance
- 施加過負荷電壓時，在規定的時間內熔斷，對電路起保護作用
Imposed by the load voltage, the fuse within the stipulated time, the protective effect from the circuit
- 塗漆為不燃性面漆，精度色環後增加白色色環標示
The paint is not flammable finish, white color ring marked increases in the accuracy of color ring

■ 尺寸 Dimension



Type \ Size	L ± 0.5	D ± 0.6	H ± 3	ød ± 0.05	Resistance range	Tolerance
1/4W, 1/2 WS	6.5	2.4	27	0.48	0.1 Ω ~ 4.7K Ω	F: ± 1% G: ± 2% J: ± 5%
1/2W, 1 WS	9.2	3.3	26	0.55	0.1 Ω ~ 4.7K Ω	
1W, 2 WS	11	4.5	28/35	0.65	0.1 Ω ~ 4.7K Ω	
2W, 3 WS	15	5.0	34	0.75	0.1 Ω ~ 4.7K Ω	
3W, 5 WS	18	6.0	33	0.75	0.1 Ω ~ 4.7K Ω	

■ 熔斷特性 Fuse Characteristics

功率倍數 Power Multiples	標稱阻值範圍 Rated resistance range		
	<2 Ω	2 ~ 10 Ω	>10 Ω
熔斷時間(秒) Fusing time			
12	---	60	30
16	60	30	15
25	30	15	7.5

備注：其它熔斷特性也可以根據客戶的要求協商製作

Note: fuse characteristics can also be consultation according to customer requirements, production

■ 電氣性能 Characteristics

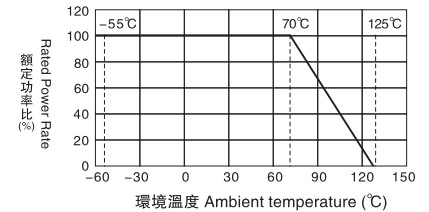
Characteristics	Specifications	Test methods
T.C.R	± 350PPM/°C	$\frac{R2-R1}{R1*(T2-T1)} * 10^6$ (PPM)/ °C
Load life	Resistance change rate ± (5%R+0.05 Ω) Max With no evidence of mechanical damage.	Resistance change after 1000hrs operating at rated voltage with duty cycle of 1.5hrs ON 0.5hrs OFF at 70°C ± 2°C.
Short time over load	± (1%R+0.05 Ω)	2.5 times the rated voltage or maximum overload voltage (whichever is less), testing 5 seconds
Insulation resistance	500M Ω or more	V-block
Electric withstanding voltage	Resistance change ± (0.5%R ± 0.05 Ω). No evidence of flashover mechanical damage, Arcing or insulation breakdown.	Resistance shall be clamped in the trough of a 90 metallic v-block and shall be test at specified in the above list for 60 seconds.
Solder ability	95% coverage minimum	Test temperatures of solder 260 ± 5°C Dwell time in solder: 3 ± 0.5 sec
Join intensity	No terminal wire loosening and breakage shall occur.	Bending strength load 90° reciprocation twice

■ 訂貨方式 HOW TO ORDER

FR	1W	P	10 Ω	J
a	b	c	d	e

- a: 名稱 Product code
b: 額定電力 Rated power
c: 形式 Type
d: 電阻值 Resistance value
e: 容許誤差 Tolerance

■ 降功率曲線 Derating Curve



■ 熔斷曲線圖 Fuse Curve

