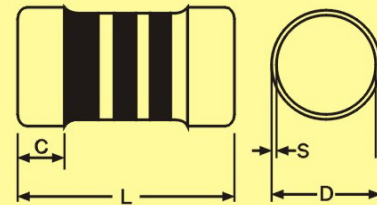


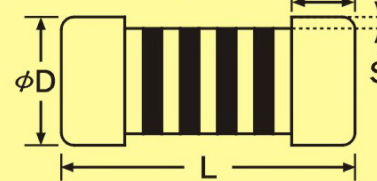
MELF Fusible Resistors (保險絲無腳電阻器)



FRM TYPE



FRH TYPE



Coating color: Grey.

塗裝色：灰色

Dimensions:

Type	Size	Power Rating	Dimensions (mm)				
			L	D	C	S	
FRM	0204	1/8W; 1/4Ws	3.5±0.2	1.45±0.1	0.6±0.1	1.40	1.40
	0207	1/4W; 1/2Ws	5.7±0.2	2.2±0.1	0.8±0.2	2.30	2.30
FRH	0309	1/2W; 1Ws	9.5±0.5	3.6±0.3	2.2±0.2	0.4±0.1	
	0411	1W; 2Ws	11.2±0.3	4.7±0.3	2.6±0.2	0.5±0.1	
	0515	2W; 3Ws	15.2±0.3	5.3±0.3	2.6±0.2	0.5±0.1	

Characteristics

Item	Characteristics	Test Method
1. Operating Temp. Range 使用溫度範圍	-55°C~155°C	
2. Temperature Coefficient 溫度係數	±200 ppm/°C	JIS-C-5202; 5.2
3. Short time overload 短時間過負載	±2%	Rating voltage×2.5 or Max. overload voltage For 5 sec. Whichever less
4. Resistance to soldering heat 焊接耐熱性	±2%	260°C±5°C, 5 sec±1 sec
5. Insulation Resistance 絕緣電阻	Over 10 ³ MΩ	JIS-C-5202; 5.6-條件 A
6. Load Life in Humidity 耐濕負載	±5%	40°C±2°C, 90%~95%RH, 1000h, 1.5h "on"/0.5h "off" cycle
7. Load Life 壽命負載	±5%	70°C±2°C, 1000h, 1.5h "on"/0.5h "off" cycle
8. Solderability 焊接性	90% Coverage/Min	235°C±5°C, 2 sec±0.5 sec
9. Bending test 端子強度	±1%	Holding point width 90mm, Bending 5mm, 1 time
10. Non-Combustibility 不燃性	The resistors shall withstand Overload test in accordance With Article UL-94, V-0 without producing a fire hazard.	

Fusing Characteristics

Following is the fusing times of power rating. If continuing 60 sec, tested then within 30 minutes under regular temp. Without power burden that rest resistance is 100 times up more than beginning resistance but the voltage must be automatic adjustment.

熔斷特性

下面是對定格電力的熔斷倍率表，如繼續做60秒測試後在常溫30分鐘以內沒有負荷量後其殘留的抵抗值比初值100倍以上，但電源必須是電壓自動調整型。

(單位：Ω)

Size	熔斷倍率 FUSING TIMES 功率 Power Rating	X40	X30	X25	X20	X16	熔斷時間 FUSING TIME
0204	1/8W, 1/4Ws			0.47~0.91	1~4.7 2.4K~10K	5.1~2.2K	60 秒以內 WITHIN 60 SEC.
0207	1/4W, 1/2Ws	0.1~0.18	0.2~0.3	0.47~0.91	1~4.7 2.4K~10K	5.1~2.2K	60 秒以內 WITHIN 60 SEC.
0309	1/2W, 1Ws			0.1~0.43	0.47~2	2.2~5K	60 秒以內 WITHIN 60 SEC.
0411	1W, 2Ws		0.1~0.18	0.2~0.43	0.47~2	2.2~2K	60 秒以內 WITHIN 60 SEC.
0515	2W, 3Ws		0.1~0.18	0.2~0.43	0.47~2	2.2~1K	60 秒以內 WITHIN 60 SEC.

備註：1. 事先可依客戶需求設定熔斷時間、熔斷倍率。 REMARKS：1. The Fusing Time and Fusing Times Set can be complied with buyer's request in advance.

2. 以上測試均使用定電壓迴路。

3. 熔斷電壓 = $\sqrt{\text{功率(W)} \times \text{阻值}(\Omega) \times \text{熔斷倍率}}$

2. This Fusing characteristics are in constant voltage circuit.

3. Fusing Voltage:

$\sqrt{\text{Power Rating} \times \text{Resistance} \times \text{Fusing Multiplier}}$

Classification

FRM STYLE	0207 SIZE	1/2WS POWER	100Ω RESISTANCE	J TOLERANCE	T PACKING
				J=5%	T=Tape/Reel B=Bulk

Packaging

Size	TAPE/REEL	BULK	CARTON
0204	3000pcs	-----	-----
0207	2000pcs	-----	-----
0309	2000pcs	2000pcs	20000pcs
0411	1500pcs	1000pcs	10000pcs
0515	NON	500pcs	5000pcs