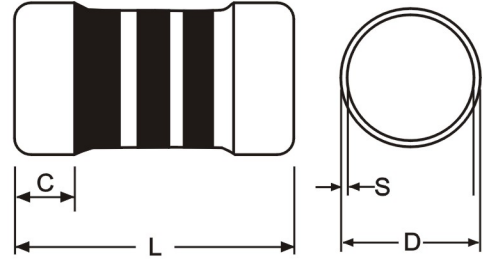


**MELF-FRN TYPE**



**Coating color: Grey.**

涂装色：灰色

**Dimensions:**

Type	Size	Power Rating	Dimensions(mm)			
			L	D	C	S
MELF-FRN	0204	1/8W; 1/4Ws	3.5±0.2	1.45±0.1	0.7±0.1	0.15±0.1
	0207	1/4W; 1/2Ws	5.7±0.2	2.2±0.1	0.8±0.2	0.2±0.1
	0309	1/2W; 1Ws	8.5±0.3	3±0.3	1.7±0.2	0.3±0.1
	0411	1W; 2Ws	10.5±0.3	4±0.3	2.3±0.2	0.3±0.1
	0515	2W; 3Ws	14.5±0.3	4.5±0.3	2.3±0.2	0.3±0.1

**Characteristics**

Item	Characteristics	Test Method
1. Operating Temp. Range 使用温度范围	-55°C~ 155°C	
2. Temperature Coefficient 温度系数	±200 ppm/°C	JIS-C-5202; 5.2
3. Short time overload 短时间超负载	±2%	Rating voltage X2.5 or Max. overload voltage For 5 sec. Whichever less
4. Resistance to soldering heat 焊接耐热性	±2%	260°C±5°C, 5 sec±1 sec
5. Insulation Resistance 绝缘电阻	Over 10 <sup>3</sup> MΩ	JIS-C-5202; 5.6- A
6. Load Life in Humidity 耐湿负载	±5%	40°C±2°C, 90%~95%RH, 1000h, 1.5h "on"/0.5h "off" cycle
7. Load Life 寿命负载	±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 端子强度	±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.

### 熔断特性

下面是对定格电力的熔断倍率表·如继续做60秒测试后在常温30分钟以内没有负荷量后其残留的抵抗值比初值100倍以上·但电源必须是电压自动调整型。

(单位: Ω)

Size	熔断倍率 FUSING TIMES 功率 Power Rating	X40	X30	X25	X20	X16	熔断时间 FUSING TIME
0204	1/8W, 1/4Ws			0.47~0.91	1~4.7 2.4K~10K	5.1~2.2K	60秒以内 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秒以内 WITHIN 60 SEC.
0309	1/2W, 1Ws			0.1~0.43	0.47~2	2.2~5K	60秒以内 WITHIN 60 SEC.
0411	1W, 2Ws		0.2~0.18	0.2~0.43	0.47~2	2.2~2K	60秒以内 WITHIN 60 SEC.
0515	2W, 3Ws		0.1 0.18	0.2~0.43	0.47~2	2.2~1K	60秒以内 WITHIN 60 SEC.

备注: 1. 事先可依客户需求设定熔断时间、熔断倍率· REMARKS: 1. The fusing Time and Fusing Times Set can be complied with buyer's request in advance.  
2. 以上侧试均使用定电压回路。 2. This Fusing characteristic are in constant voitage circuit.

3. 熔断电压=  $\sqrt{\text{功率(W)} \times \text{阻值}(\Omega) \times \text{熔断倍率}}$

3. Fusing Voltage:

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

### Classification ( Part No )

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

### Packaging ( Part No )

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