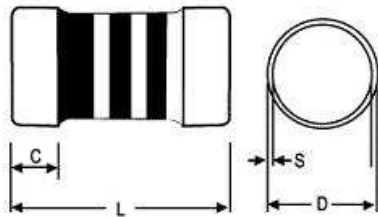


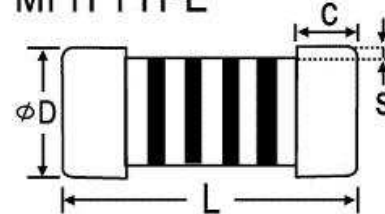
## MELF 金屬皮膜無腳電阻器 MELF METAL FILM RESISTOR

### DIMENSION

#### MFM TYPE



#### MFH TYPE



Coating color: Blue.  
塗裝色: 藍色

### SPECIFICATIONS

Type	Size	Dimensions(mm)			
		L	D	C	S
MFM	0102	$2 \pm 0.1$	$1.3 \pm 0.1$	$0.55 \pm 0.1$	$0.1 \pm 0.05$
	0204	$3.5 \pm 0.2$	$1.45 \pm 0.1$	$0.6 \pm 0.1$	1.40 1.20
	0207	$5.7 \pm 0.2$	$2.2 \pm 0.1$	$0.8 \pm 0.2$	2.30 2.00
MFH	0309	$9.5 \pm 0.3$	$3.6 \pm 0.3$	$2.2 \pm 0.2$	$0.4 \pm 0.1$
	0411	$11.2 \pm 0.3$	$4.7 \pm 0.3$	$2.6 \pm 0.2$	$0.5 \pm 0.1$
	0515	$15.2 \pm 0.3$	$5.3 \pm 0.3$	$2.6 \pm 0.2$	$0.5 \pm 0.1$

Type	Size	POWER RATING	MAX WORKING VOLTAGE	MAX OVERLOAD VOLTAGE	T.C.R.	RESISTANCE RANGE			
						$\pm 0.1\%$	$\pm 0.25\%$	$\pm 0.5\%$	$\pm 1\%$
MFM	0102	1/8Ws	150V	300V	$\pm 15\text{ppm}$ $\pm 25\text{ppm}$ $\pm 50\text{ppm}$ $\pm 100\text{ppm}$	50 $\Omega$ - 56K	50 $\Omega$ - 100K	1 $\Omega$ - 1M	0 $\Omega$ 22- 2M
	0204	1/8W	150V	300V		100 $\Omega$ - 56K	100 $\Omega$ - 100K	1 $\Omega$ - 1M	0 $\Omega$ 22- 2M
		1/4Ws	200V	400V		100 $\Omega$ - 56K	100 $\Omega$ - 100K	1 $\Omega$ - 1M	0 $\Omega$ 5 - 2M
	0207	1/4W	200V	400V	$\pm 15\text{ppm}$	100 $\Omega$ - 100K	10 $\Omega$ - 560K	1 $\Omega$ - 5M	0 $\Omega$ 22- 5M
		1/2Ws	300V	600V	$\pm 25\text{ppm}$	100 $\Omega$ - 100K	10 $\Omega$ - 560K	1 $\Omega$ - 5M	0 $\Omega$ 22- 5M
		1Wss	400V	700V	$\pm 50\text{ppm}$	100 $\Omega$ - 100K	10 $\Omega$ - 560K	1 $\Omega$ - 5M	0 $\Omega$ 5 - 5M
MFH	0309	1Ws	500V	1000V	$\pm 50\text{ppm}$ $\pm 100\text{ppm}$	-----	10 $\Omega$ - 100K	1 $\Omega$ - 1M	0.1 $\Omega$ - 1M
	0411	2Ws				-----	10 $\Omega$ - 100K	1 $\Omega$ - 1M	0.1 $\Omega$ - 1M
	0515	3Ws				-----	10 $\Omega$ - 100K	1 $\Omega$ - 1M	0.1 $\Omega$ - 1M

額定電壓是以， $\sqrt{\text{功率}(W) \times \text{阻值}(\Omega)}$  計算所得的值及以規格表中所列最高使用電壓兩者相較小者。

Rated-Voltage= $\sqrt{P(W) \times R(\Omega)}$  or Max.working voltage,whichever lower.

## MELF 碳素皮膜無脚電阻器 MELF CARBON FILM RESISTOR

### ELECTRICAL PERFORMANCE

Item	Characteristics					Test Method
1. Operating Temp. Range 使用温度範圍	-55°C ~ 155°C					
2. Temp. Coefficient 温度系数	SIZE	+350~ -450	0~ -700	0~ -1000	+0~ -1300	JIS-C 5205;5.2
	0204	1.0Ω ~ 47KΩ	51KΩ ~ 220KΩ	240KΩ ~ 470KΩ	510KΩ ~1.0MΩ	
	0207 以上	1.0Ω ~ 100KΩ	110KΩ ~ 330KΩ	360KΩ ~1.0MΩ	1.1MΩ ~2.2MΩ	
3. Short time overload 短時間過負載	±1%					Rating voltageX2.5 or Max, overload voltage for 5 sec, Whichever less
4. Pulse overload 斷續過負載	±2%					Rating voltageX4 or Max, pulse overload voltage for 10,000 cycle (1 sec."on"25 sec."off"), Whichever less
5. Temperature cycling 温度過率	±1%					-55°C(30min.)/+85°C (30min.)for 5 cycle
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. Resistance to soldering heat 焊接耐熱性	±2%					260°C±5°C, 5 sec±1sec
9. Solderability 焊接性	90% Coverage/Min					235°C±5°C, 2 sec±0.5sec
10. Bending test 端子強度	±1%					Holding point width 90mm, Bending 5mm, 1 time
11. High Temp. exposure 耐熱性	±2%					155°C±5°C, 2 hours
12. Non-Combustibility 不燃性	The resistors shall withstand Overload test in accordance With Article UL-94.V-0 without producing a fire hazard.					

### CLASSIFICATION

<u>CRM</u>	<u>0207</u>	<u>1/2WS</u>	<u>100Ω</u>	<u>J</u>	<u>T</u>
STYLE	SIZE	POWER	RESISTANCE	TOLERANCE	PACKING
				J=5%	T=Tape/Reel
				G=2%	B=Bulk

### PACKAGING

Size	TAPE/REEL	BULK	CARTON
0204	3000pcs	-----	-----
0207	2000pcs	-----	-----
0309	2500pcs	-----	-----
0411	1500pcs	1000pcs	10000pcs
0515	NON	500pcs	5000pcs