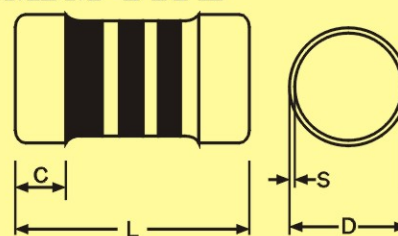
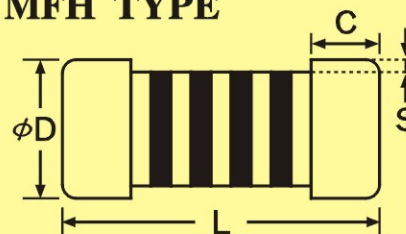


**MFM TYPE**



**MFH TYPE**



**Coating color: Blue.**

塗裝色：藍色

**Dimensions:**

Type	Size	Dimensions (mm)				
		L	D	C	S	
					Max.	Min.
MFM	0204	3.5±0.2	1.45±0.1	0.6±0.1	1.40	1.20
	0207	5.7±0.2	2.2±0.1	0.8±0.2	2.30	2.00
MFH	0309	9.5±0.3	3.6±0.3	2.2±0.2	0.4±0.1	
	0411	11.2±0.3	4.7±0.3	2.6±0.2	0.5±0.1	
	0515	15.2±0.3	5.3±0.3	2.6±0.2	0.5±0.1	

**Range:**

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

## 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	±100ppm/°C ; ±50ppm/°C ±25ppm/°C ; ±15ppm/°C	JIS-C-5202; 5.2
3. Short time overload 短時間過負載	±(0.5% + 0.05Ω)	Rating voltage × 2.5 or Max. overload voltage for 5 sec. Whichever less
4. Pulse overload 斷續過負載	±(0.5% + 0.05Ω)	Rating voltage × 3 or Max. pulse overload voltage for 10,000 cycle (1 sec. "on" 25 sec. "off"), Whichever less
5. Temperature cycling 溫度週率	±(0.5% + 0.05Ω)	-55°C(30min.)/+85°C(30min.) for 5 cycle
6. Load Life in Humidity 耐濕負載	±(1% + 0.05Ω)	40°C ± 2°C, 90% ~ 95% RH, 1000h, 1.5h "on"/0.5h "off" cycle
7. Load Life 壽命負載	±(1% + 0.05Ω)	70°C ± 2°C, 1000h, 1.5h "on"/0.5h "off" cycle
8. Resistance to soldering heat 焊接耐熱性	±(0.5% + 0.05Ω)	260°C ± 5°C, 5 sec ± 1 sec
9. Solderability 焊接性	90% Coverage/Min	235°C ± 5°C, 2 sec ± 0.5 sec
10. Bending test 端子強度	±(0.5% + 0.05Ω)	Holding point width 90mm, Bending 5mm, 1 time
11. 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

MFM	0207	1/2WS	121Ω	F	T
STYLE	SIZE	POWER	RESISTANCE	TOLERANCE	PACKING
				F = ±1%	T = Tape/Reel
				D = ±0.5%	B = Bulk
				C = ±0.25%	
				B = ±0.1%	
				J = ±5%	

## Packaging

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