

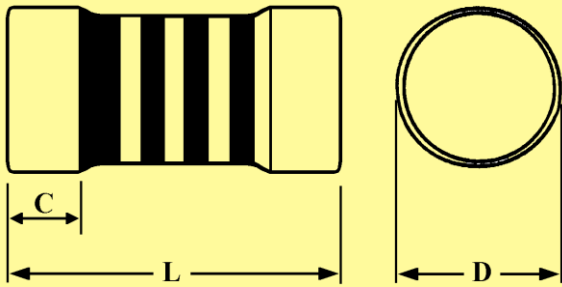
Coating Color : Blue.

塗裝色: 藍色

Marking : Color Bands.(0102)

※3 bands: 1ST = Number,
2ND = Number,
3RD = Multiplier

(Non - inflammable insulating silicon coating)



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塗裝色: 藍色

Marking : Color Bands.

(0204;0207;0309;0411;0515)

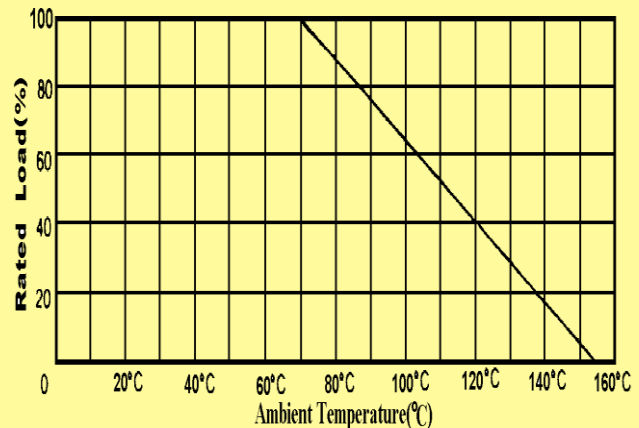
※4 bands: 1ST = Number,
2ND = Number,
3RD = Number,
4TH = Multiplier.

(Non - inflammable insulating silicon coating)

Dimensions :

Type	Size	Dimensions(mm)		
		L	D	C
MFM	0102	2.0±0.1	1.3±0.1	0.55±0.1
	0204	3.5±0.2	1.45±0.1	0.7±0.1
	0207	5.7±0.2	2.2±0.1	0.8±0.2
	0309	8.5±0.3	3.0±0.3	1.7±0.2
	0411	10.5±0.3	4.0±0.3	2.3±0.2
	0515	14.5±0.3	4.5±0.3	2.3±0.2

Derating Curve:



Range :

TYPE	SIZE	POWER RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	T.C.R	RESISTANCE RANGE				
						±0.1%(B)	±0.25%(C)	±0.5%(D)	±1%(F)	±5%(J)
						(E-192)		(E-96)	(E-24)	
MFM	0102	1/8Ws(0.125W)	150V	300V	±15ppm ±25ppm ±50ppm ±100ppm	100 _Ω -56K	100 _Ω -100K	100 _Ω -1M	0 _Ω 22-2M	
	0204	1/4Ws(0.25W)	200V	400V		100 _Ω -56K	100 _Ω -100K	1 _Ω -1M	0 _Ω 5-2M	
	0207	1/4W(0.25W)	200V	400V		100 _Ω -100K	100 _Ω -100K	1 _Ω -5M	0 _Ω 22-5M	
		1/2Ws(0.5W)	300V	600V		100 _Ω -100K	10 _Ω -560K	1 _Ω -5M	0 _Ω 22-5M	
		1Wss(1W)	400V	700V		100 _Ω -100K	10 _Ω -560K	1 _Ω -5M	0 _Ω 5-5M	
	0309	1Ws	500V	1000V	±50ppm ±100ppm	-----	-----	1 _Ω -1M	0.1 _Ω -1M	
	0411	2Ws				-----	-----	1 _Ω -1M	0.1 _Ω -1M	
0515	3Ws	-----				-----	1 _Ω -1M	0.1 _Ω -1M		

※額定電壓是以，√功率(W)×阻值(Ω)計算所得的值即以規格表中所列最高使用電壓兩者相較小者。

Rated-Voltage=√P(W)×R(Ω) 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 溫度系數	±100 ppm/°C ; ±50 ppm/°C ±25 ppm/°C ; ±15 ppm/°C	JIS-C-5202; 5.2
3. Short time overload 短時間過負載	±(1%+0.05Ω)	Rating voltage×2.5 or Max. overload voltage For 5 sec. Whichever less
4. Pass overload 短時間過負載	±(1%+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	±(1%+0.05Ω)	JIS-C-5202; 7.4
6. Load Life 壽命負載	±(5%+0.05Ω)	70°C±2°C, 1000h, 1.5h "on"/ 0.5h "off" cycle
7. Resistance to soldering heat 焊接耐熱性	±(1%+0.05Ω)	260°C±5°C, 5 sec ± 1 sec
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%+0.05Ω)	Holding point width 90mm, Bending 5mm, 1 time
10. Non-Combustibility 不燃性	No evidence of flaming	UL-94 ; V-0

※The above characteristics are for reference only. Please confirm the specifications in approval sheet before you order and/or use.
以上規格特性僅供參考，實際產品以承認書為準。

Classification

<u>MFM</u>	<u>0204</u>	<u>1/4Ws</u>	<u>121Ω</u>	<u>F</u>	<u>T</u>	<u>50</u>
STYLE	SIZE	POWER	RESISTANCE	TOLERANCE	PACKING	PPM
				F = ±1%	T = Tape/Reel	15
				D = ±0.5%	P=Bulk(0515)	25
				B = ±0.1%		50
						100

Part No.:MFM-0204-1/4Ws-121R-F-T50

Packaging

SIZE	0102	0204	0207	0309	0411	0515
TAPE / REEL	3000pcs	3000pcs	2000pcs	2500pcs	1500pcs	1500pcs

Remarks: RoHS Compliant