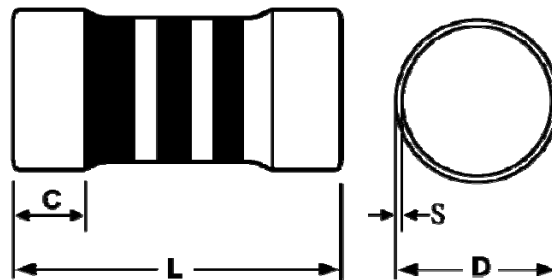


Dimensions :

Type	Size	Dimensions (mm)			
		L	D	C	S
MEMF	0102	2.0±0.1	1.3±0.1	0.55±0.1	0.1±0.05
	0204	3.5±0.2	1.45±0.1	0.7±0.1	0.15±0.1
	0207	5.7±0.2	2.2±0.1	0.8±0.2	0.2±0.1
	0309	8.5±0.3	3.0±0.3	1.7±0.2	0.3±0.1
	0411	10.5±0.3	4.0±0.3	2.3±0.2	0.3±0.1
	0515	14.5±0.3	4.5±0.3	2.3±0.2	0.3±0.1



Coating Color : Blue.  
 Marking : Color Bands.  
 ※E-96 Series =4 bands(±1%);  
 E-24 Series =3 bands(±5%).

Range :

TYPE	SIZE	POWER RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	T.C.R.	RESISTANCE RANGE			
						±0.1%	±0.25%	±0.5%	±1%
MEMF	0102	1/8Ws	150V	300V	±15ppm	50Ω-56K	50Ω-100K	1Ω-1M	0.22Ω-2M
	0204	1/8W	150V	300V		100Ω-56K	100Ω-100K	1Ω-1M	0.22Ω-2M
		1/4Ws	200V	400V	±25ppm	100Ω-56K	100Ω-100K	1Ω-1M	0.5Ω-2M
	0207	1/4W	200V	400V	±50ppm	100Ω-100K	10Ω-560K	1Ω-5M	0.22Ω-5M
		1/2Ws	300V	600V	±100ppm	100Ω-100K	10Ω-560K	1Ω-5M	0.22Ω-5M
		1Wss	400V	700V	100Ω-100K	10Ω-560K	1Ω-5M	0.5Ω-5M	
	0309	1Ws	500V	1000V	±50ppm		10Ω-100K	1Ω-1M	0.1Ω-1M
0411	2Ws	±100ppm				10Ω-100K	1Ω-1M	0.1Ω-1M	
0515	3Ws					10Ω-100K	1Ω-1M	0.1Ω-1M	

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

ME	MF	0204	1/4W	3K	F	C	TR
↓	↓	↓	↓	↓	↓	↓	↓
Type	Type	SIZE	POWER	Resistance	F	TCR(PPM/°C)	Packaging
MELF	Metal Film	0204	1/8Ws 1/8W	1R 1Ω	J ± 5%	C 100PPM	TR Taping Reel
		0207	1/4Ws 1/4W	10R 10Ω	F ± 1%	E 50PPM	BU Bulk
		0309	1/2Ws 1Wss	100R 100Ω	D ± 0.5%	G 25PPM	
		0411	1 Ws 2Ws	1K2 1K2Ω	C ± 0.25%	H 15PPM	
		0515	3Ws	1M 1MΩ	B ± 0.1%		
				10M 10MΩ			

## Characteristics

Item	Characteristics	Test Method
1. Operating Temp. Range 使用溫度範圍	-55°C~155°C	
2. Temp. Coefficient 溫度系數	±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%+0.05 Ω)	Rating voltage*2.5 or Max. overload voltage for 5 sec. Whichever less
4. Pulse overload 斷續過負載	±(0.5%+0.05 Ω)	Rating voltage*3 or Max. overload voltage for 10,000 cycle (1 sec. "on" 25 sec. "off"), Whichever less
5. Temperature cycling 溫度週率	±(0.5%+0.05 Ω)	-55°C (30 min.) /+85°C (30min.) for 5 cycle
6. Load Life in Humidity 耐濕負載	±(1%+0.05 Ω)	40°C±2°C, 90%~95% RH, 1000h, 1.5h "on"/0.5h "off" cycle
7. Load Life 壽命負載	±(1%+0.05 Ω)	70°C±2°C, 1000h, 1.5h "on"/0.5h "off" cycle
8. Resistance to soldering heat 焊接耐熱性	±(0.5%+0.05 Ω)	260°C±5°C, 5sec±1 sec
9. Solderability 焊接性	90% Coverage/Min	235°C±5°C, 2sec±0.5sec
10. Bending test 端子強度	±(0.5%+0.05 Ω)	Holding point width 90mm, Bending 5mm, 1time
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.	