

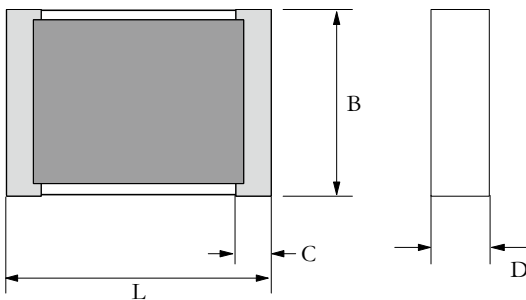
● Features

- I Thin film technology
- II Contact areas tinned-resistant to leaching
- III Resistance element resin-passivated
- IV Close tolerances(0.05%)-low TCR(5ppm/K)
- V Extreme low noise

● Applications

- I Computers
- II Telecom and wireless
- III Meters and instruments
- IV Electrical devices

● Dimensions



Type	Power (mW)	Dimensions(mm)			
		L	B	D	C
CMF0603	65	1.6 ± 0.1	0.8 ± 0.1	0.45 ± 0.1	0.3 ± 0.2
CMF0805	125	2.0 ± 0.1	1.25 ± 0.1	0.55 ± 0.1	0.4 ± 0.2
CMF1206	250	3.2 ± 0.2	1.6 ± 0.15	0.55 ± 0.1	0.5 ± 0.2
CMF2512	750	6.3 ± 0.2	3.0 ± 0.2	0.55 ± 0.2	0.5 ± 0.2

L=length, B=width, D=Thickness
C=width of wraparound(in mm)

● Ordering Information

Example:

CMF	0603	65	B	100R0	C6
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Style	Power Rating	Resistance Tolerance	Resistance	T.C.R

(1)Type: CMF SERIES

(2)Style:0603,0805,1206,2512

(3)Power Rating: 65=65mW,125=125mW,250=250mW,750=750mW

(4)Tolerance: W= ± 0.05%,B= ± 0.1%,C= ± 0.25%

(5)Resistance Value:100R0=100Ω

(6)T.C.R:C6= ± 10ppm/°C,C3= ± 25ppm/°C,C2= ± 50ppm/°C

If no requirements for TCR and taping,the standard TCR(highest value in table)will be supplied and packaging is bulk.

● Reference Standards

JISC 5201-1

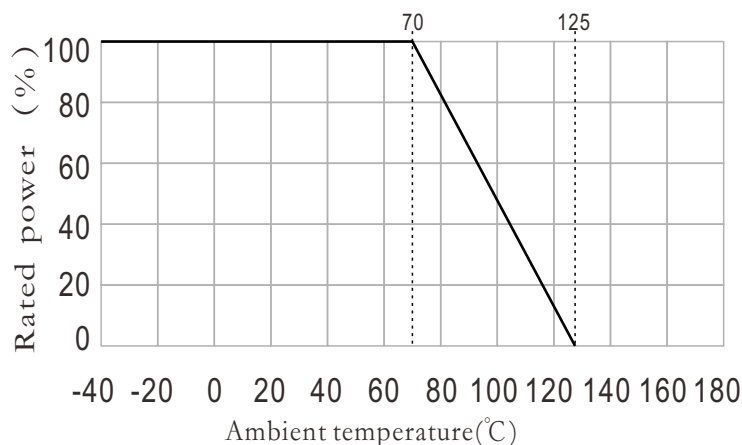
Applications And Ratings

Type	Power (mW)	Working Voltage(V)	Resistance Range/Tolerances/TCR(ppm/°C) ²⁾							
			5R1~10R	10R~47R	47R~100R	100R~332K	332K~1M	1M~2M	2M~5M	5M~15M
CMF0603	65	75	—	0.1%/…/1% TC25/50	0.1%/…/1% TC10/…/50	0.1%/…/1% TC5/…/50	—	—	—	—
CMF0805	125	100	—	0.1%/…/1% TC25/50	0.1%/…/1% TC10/…/50	0.05%/…/1% TC5/…/50	0.1%/…/1% TC10/…/50	—	—	—
CMF1206	250	200	1% TC50	0.1%/…/1% TC25/50	0.1%/…/1% TC10/…/50	0.05%/…/1% TC5/…/50	0.05%/…/1% TC10/…/50	0.1%/…/1% TC10/…/50	—	—
CMF2512	750	300 ¹⁾	1% TC50	0.1%/…/1% TC25/50	0.1%/…/1% TC10/…/50	0.05%/…/1% TC5/…/50	0.05%/…/1% TC5/50	0.25%/…/1% TC5/…/50	0.1%/…/1% TC10/…/50	0.25%/…/1% TC10/…/50

1)1000V for special applications

2)TC5/10/15: Temperature range+25°C~+85°C

Derating Curve



Performance

Test Items	Test Methods(JIS C 5201-1)	
Temperature Range	-55°C~125°C	
Climatic Category	55/125/56	
Solderability	235°C, 2s	
Max. Soldering Temperature	260°C, 10s	
Long Term Stability	≥45R	<47R
Storage 125°C/1000h	<0.15%	<0.25%
Load P ₇₀ /70°C/1000h	<0.1%	<0.25%
Damp heat(56d/40°C/96%)	<0.15%	<0.5%