

# CMF



**CANTHERM**

*Supplying high-quality bimetal and thermal sensor products.*



**Chip NTC Thermistors**

# CMF



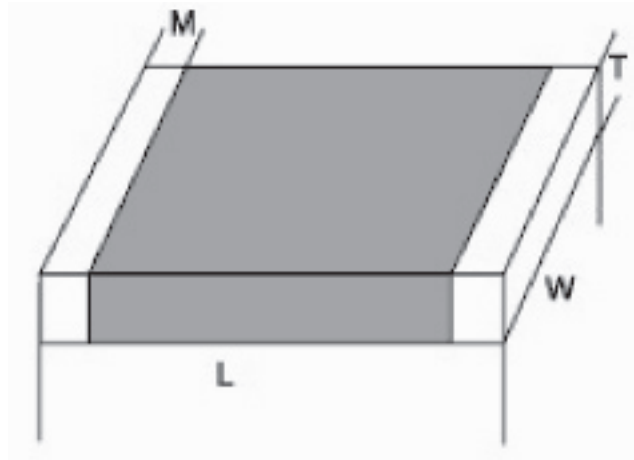
## Application

- Temperature compensation of IC, LCD
- Transistor
- Crystal oscillator of mobile communications equipments
- Temperature sensor for rechargeable batteries
- Temperature sensor for CPU
- Temperature compensation of several kinds of circuits

## Characteristics

- Miniature size
- No lead
- Ideal for high density SMT installation
- Superior solderability and resistance to soldering heat
- Ideal for wave or reflow soldering

## Dimensions (mm)



Size	L (Length)	W (Width)	T (Thickness)	M (Width of termination Point)
0402 (1005)	.04± .006 (1.0± 0.15)	.02± .004 (0.5± 0.10)	.024 max (0.60 max)	0.004 min (0.10 min)
0603 (1608)	.063± .006 (1.6± 0.15)	.031± .006 (0.8± 0.15)	.037 max (0.95 max)	.004 max (0.10 max)
0805 (2012)	.08± .008 (2.0± 0.20)	.05± .008 (1.25± 0.2)	.05 max (1.25 max)	.006 max (0.15 max)
1206 (3216)	.126± .008 (3.2± 0.20)	.063± .008 (1.6± 0.20)	.063 max (1.6 max)	.008 max (0.20 max)

## Part Numbering

CMF	B		39Z		103		J		N		T	
Chip NTC thermistor	Size Code		B-value (25/85°C)		Resistance at 25°C (Ω)		Tolerance		Termination		Packaging	
	Code	Inches	Z	00	103	10x10 <sup>3</sup>	F	±1%	P	Pd	B	Bulk
	C	1206	F	50	104	10x10 <sup>4</sup>	G	±2%	N	Nickel Barrier	T	Tape & Reel
	B	0805	G	35			H	±3%				
	A	0603	H	70			J	±4%				
	X	0402					K	±10%				

### 0402 Series

Part No.	Resistance at 25°C (KΩ)	B-Constant (25/85°C (K))
CMFX39F103_	10	3950
CMFX40F473_	47	4050
CMFX40F104_	100	4050

### 0603 Series

Part No.	Resistance at 25°C (KΩ)	B-Constant (25/85°C (K))
CMFA39F103_	10	3435
CMFA39H103_	10	3970
CMFA39Z223_	22	3900
CMFA39F473_	47	3950
CMFA39F104_	100	3950
CMFA39F224_	220	3950
CMFA35F103_	10	3550
CMFA39F683_	68	3950
CMFA41Z564_	560	4100

### 0805 Series

Part No.	Resistance at 25°C (KΩ)	B-Constant (25/85°C (K))
CMFB34G472_	4.7	3435
CMFB34G103_	10	3435
CMFB35F103_	10	3550
CMFB39Z223_	22	3900
CMFB40Z473_	47	4000
CMFB40Z104_	100	4000
CMFB39H103_	10	3970
CMFB32Z202_	2	3200
CMFB36F153_	15	3650
CMFB40F333_	33	4050

### 1206 Series

Part No.	Resistance at 25°C (KΩ)	B-Constant (25/85°C (K))
CMFC21Z221_	0.22	3200
CMFC32Z331_	0.33	3200
CMFC32F471_	0.47	3250
CMFC33F102_	1.0	3350
CMFC34Z222_	2.2	3400
CMFC34Z332_	3.3	3400
CMFC34Z472_	4.7	3400
CMFC34Z682_	6.8	3400
CMFC35Z103_	10	3500
CMFC39Z103_	10	3900
CMFC39Z153_	15	3900
CMFC39F223_	22	3950
CMFC40Z333_	33	4000
CMFC41Z473_	47	4100
CMFC41Z683_	68	4100
CMFC42Z104_	100	4200
CMFC43Z224_	220	4300



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