



# CANTHERM

Supplying high-quality bimetal and thermal sensor products.

## Chip NTC Thermistors

### Application

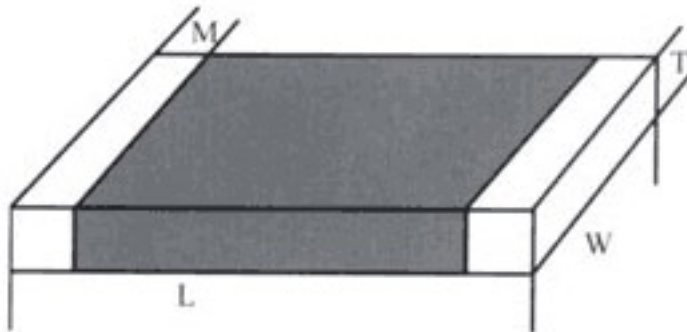
- Temperature compensation of IC.LCD
- Transistor
- Crystal oscillator of mobile communications equipments
- Temperature sensor for rechargeable batteries
- Temperature sensor for CPU
- Temperature compensation of several kinds of circuits



### 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)	.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 min (0.10 min)
0805 (2012)	.08±.008 (2.0±0.20)	.05±.008 (1.25±0.2)	.05 max (1.25 max)	.006 min (0.15 min)
1206 (3216)	.126±.008 (3.2±0.20)	.063±.008 (1.6±0.20)	.063 max (1.60 max)	.008 min (0.20 min)



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E-mail: sales@cantherm.com • Website: www.cantherm.com

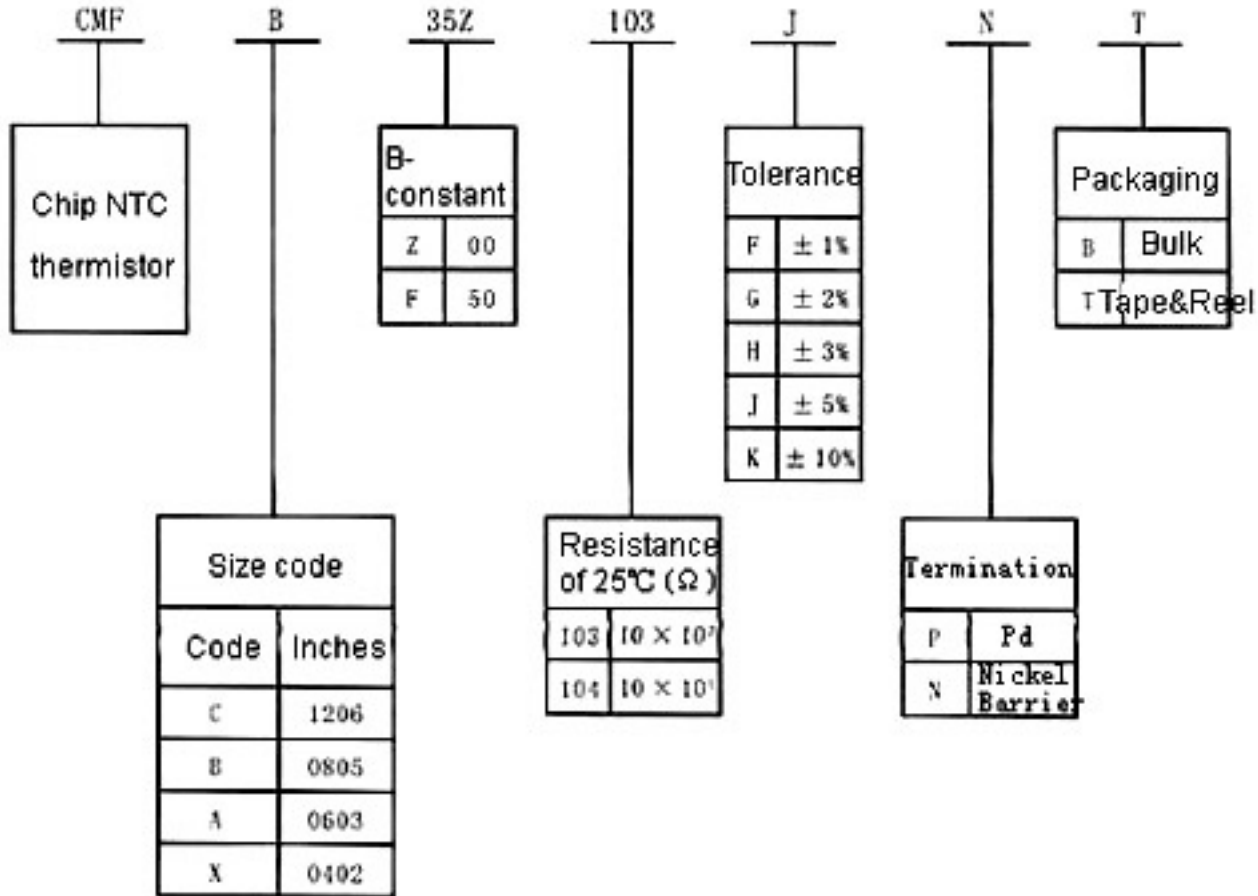
2008/May



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## Part Numbering



## Main Techno-Parameter

- Resistance Tolerance ( F:  $\pm 1\%$ , G:  $\pm 2\%$ , H:  $\pm 3\%$ , J:  $\pm 5\%$ , K:  $\pm 10\%$  )
- B-Value Tolerance ( F:  $\pm 1\%$ , G:  $\pm 2\%$ , H:  $\pm 3\%$  )
- Operating Temperature Range  $-40^\circ - +125^\circ\text{C}$
- Rated Power: 0603 series 100mw, 0805 series 200mw, 1206 series 250mw
- Special type can be produced.



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0402 Series		
Part No.	Resistance at 25°C (KΩ)	B-Constant 25/50°C (K)
CMFX30F102□	1.0	3050
CMFX32F222□	2.2	3250
CMFX33Z322□	3.3	3300
CMFX33F472□	4.7	3350
CMFX34Z682□	6.8	3400
CMFX34Z103□	10	3400
CMFX39Z103□	10	3900
CMFX39Z153□	15	3900
CMFX35Z223□	22	3500
CMFX39F333□	33	3950
CMFX40Z473□	47	4000
CMFX40Z683□	68	4000
CMFX40F104□	100	4050
CMFX42Z224□	220	4200



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0602 Series		
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CMFA32Z221□	0.22	3200
CMFA32Z331□	0.33	3200
CMFA32F471□	0.47	3250
CMFA32F681□	0.68	3250
CMFA33F102□	1.0	3350
CMFA34F222□	2.2	3400
CMFA34Z332□	3.3	3400
CMFA34Z472□	4.7	3400
CMFA34Z682□	6.8	3400
CMFA35F103□	10	3550
CMFA39Z103□	10	3900
CMFA39Z153□	15	3900
CMFA39F223□	22	3950
CMFA40Z333□	33	4000
CMFA41Z473□	47	4100
CMFA40Z683□	68	4000
CMFA42Z104□	100	4200
CMFA42Z224□	220	4200



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0805 Series		
Part No.	Resistance at 25°C (kΩ)	B-Constant 25/50°C (K)
CMFB32Z221□	0.22	3200
CMFB32Z331□	0.33	3200
CMFB32F471□	0.47	3250
CMFB32F681□	0.68	3250
CMFB33F102□	1.0	3350
CMFB34Z222□	2.2	3400
CMFB34Z332□	3.3	3400
CMFB34Z472□	4.7	3400
CMFB34Z682□	6.8	3400
CMFB35F103□	10	3550
CMFB39Z103□	10	3900
CMFB39F153□	15	3950
CMFB39F223□	22	3950
CMFB40F333□	33	4050
CMFB41F473□	47	4150
CMFB42Z683□	68	4200
CMFB42F104□	100	4250
CMFB43Z224□	220	4300
CMFB47Z474□	470	4700



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1206 Series		
Part No.	Resistance at 25°C (kΩ)	B-Constant 25/50°C (K)
CMFC32Z221□	0.22	3200
CMFC32Z331□	0.33	3200
CMFC32F471□	0.47	3250
CMFC32F681□	0.68	3250
CMFC33F102□	1.0	3350
CMFC34Z222□	2.2	3400
CMFC34Z332□	3.3	3400
CMFC34Z472□	4.7	3400
CMFC34Z682□	6.8	3400
CMFC35F103□	10	3500
CMFC39Z103□	10	3900
CMFC39F153□	15	3900
CMFC39F223□	22	3950
CMFC40F333□	33	4000
CMFC41F473□	47	4100
CMFC42Z683□	68	4100
CMFC42F104□	100	4200
CMFC43Z224□	220	4300



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