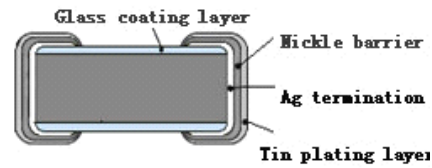


## CT Series –Chip Type NTC Thermistor



Side section

unit : mm

### FEATURES

All sizes are constructed 4-side glass encapsulation, high reliability and stability available.

Highly reliable multilayer and monolithic structure, Leadless, ideal for high density SMT installation.

Excellent Temperature Coefficient, Wide ranges of operating temperature (-40°C to 125°C)

### APPLICATION

TCXO, Temperature compensating circuit of LCD.

Temperature sensing in rechargeable batteries and chargers \ CPU.

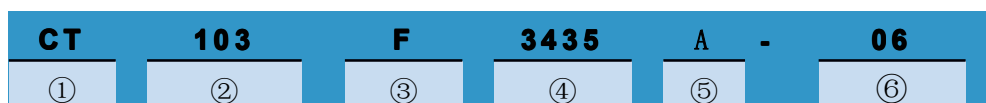
IC and Semiconductor protecting.

Printer temperature compensating circuit. Player Driver.

Telecom exchanger.

DC/AC transformer and HIC over heat protecting.

### Part Number Identification

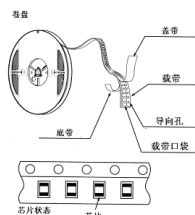
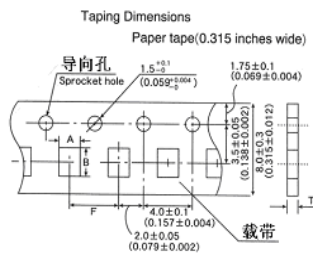


①		②		③		④		⑤		⑥	
Product Series Code		Resistance @25°C		Tolerance		B constance		Test temp. Of B		Dimension.	
CT	Chip NTC Thermistor	202	20×10 <sup>2</sup> Ω	F	±1%	3435: B=3435	A	25°C/50°C	02	0201	
				G	±2%				04	0402	
				H	±3%				06	0603	
		103	10×10 <sup>3</sup> Ω	J	±5%	4100: B=4100	B	25°C/85°C	08	0805	
				K	±10%				12	1206	
				473	47×10 <sup>3</sup> Ω						

### Electronic parameter Specification

Part No.	R25°C (KΩ)	B (K)	Rated Power @25°C (mw)	Dissipation factor(δ) (mW/°C)	Thermal time constant (s)
CT101□2700A-□	0.1	2700			
CT221□2900A-□	0.22	2900			
CT331□3000A-□	0.33	3000			
CT471□3100A-□	0.47	3100			
CT681□3150A-□	0.68	3150			
CT102□3200A-□	1.0	3200	<u>0402</u> : 100 mw	<u>0402</u> : 1 mW/°C	<u>0402</u> : 3 S
CT222□3250A-□	2.2	3250			
CT332□3300A-□	3.3	3300			
CT472□3350A-□	4.7	3350			
CT682□3400A-□	6.8	3400	<u>0603</u> : 200 mw	<u>0603</u> : 2 mW/°C	<u>0603</u> : 3 S
CT103□3435A-□	10	3435			
CT103□3950A-□	10	3900			
CT153□3500A-□	15	3500	<u>0805</u> : 300 mw	<u>0805</u> : 3 mW/°C	<u>0805</u> : 5 S
CT223□3600A-□	22	3600			
CT333□3800A-□	33	3800			
CT473□3900A-□	47	3900			
CT683□3950A-□	68	3950	<u>1206</u> : 350 mw	<u>1206</u> : 3.5 mW/°C	<u>1206</u> : 5 S
CT104□4100A-□	100	4100			
CT224□4200A-□	220	4200			
CT334□4300A-□	330	4300			
CT474□4500A-□	470	4500			
CT564□4500A-□	560	4500			

### Packaging



Unit: mm (inch)

Code	A	B	F	T
0402	0.65 ± 0.1 (0.026 ± 0.004)	1.15 ± 0.1 (0.020 ± 0.004)	2.0 ± 0.05 (0.079 ± 0.002)	0.8max (0.031max)
0603	1.0 ± 0.2 (0.039 ± 0.008)	1.8 ± 0.2 (0.071 ± 0.008)	4.0 ± 0.2 (0.157 ± 0.008)	0.8max (0.031max)
0805	1.5 ± 0.2 (0.059 ± 0.008)	2.3 ± 0.2 (0.091 ± 0.008)	4.0 ± 0.2 (0.157 ± 0.008)	1.1max (0.043max)