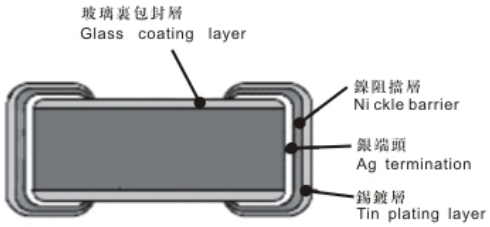
CT Series--Chip Type NTC Thermistor



FEATURES

- All sizes are constructed 4-side glass encapsulatio,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 ~ +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

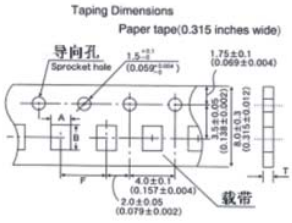
CT	103	F	3435	A	-	06
①	②	③	④	⑤		⑥

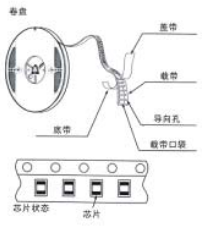
① Product Series Code		② Resistance @25℃		③ Tolerance		④ B Constance	⑤ Test Temp. of B		⑥ Dimension	
CT	Chip NTC Thermistor	202	$20\times10^{2}\Omega$	F	±1%	3435: B=3435	A	25℃/50℃	02	0201
				G	±2%				04	0402
		103	$10\times10^{3}\Omega$	H	±3%	4100: B=4100	B	25℃/85℃	06	0603
				J	±5%				08	0805
		473	$47\times10^{3}\Omega$	K	±10%				12	1206

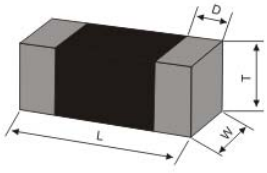
Electronic Parameter Specification

Part No.	$R_{25℃}$ (KΩ)	B(K)	Rated Power @25℃（mW）	Dissipation Factor(δ) (mW/℃)	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	0402： 100 mW	0402： 1 mW℃	0402： 3 S
CT222□3250A-□	2.2	3250			
CT332□3300A-□	3.3	3300			
CT472□3350A-□	4.7	3350			
CT682□3400A-□	6.8	3400	0603： 200 mW	0603： 2 mW℃	0603： 3 S
CT103□3435A-□	10	3435			
CT103□3950A-□	10	3900			
CT153□3500A-□	15	3500	0805： 300 mW	0805： 3 mW℃	0805： 5 S
CT223□3600A-□	22	3600			
CT333□3800A-□	33	3800			
CT473□3900A-□	47	3900			
CT683□3950A-□	68	3950	1206： 350 mW	1206： 3.5 mW℃	1206： 5 S
CT104□4100A-□	100	4100			
CT224□4200A-□	220	4200			
CT334□4300A-□	330	4300			
CT474□4500A-□	470	4500			
CT564□4500A-□	560	4500			

Packaging







单位 Unit：mm (inch)

Code	L	W	T	D
0402	1.0±0.15 (0.040±0.006)	0.5±0.1 (0.045±0.004)	0.5±0.15 (0.020±0.006)	0.25±0.10 (0.010±0.004)
0603	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.6±0.2 (0.024±0.008)	0.3±0.2 (0.01±0.008)
0805	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.6±0.2 (0.024±0.008)	0.5±0.3 (0.020±0.012)
1206	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	0.9±0.2 (0.035±0.008)	0. 5±0.3 (0.020±0.012)