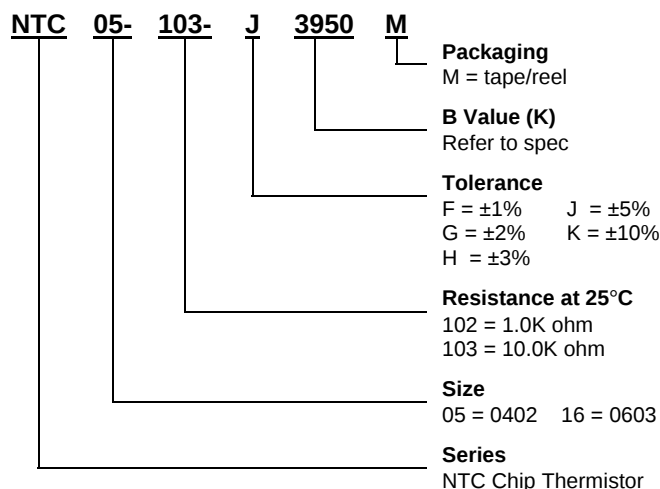


HOW TO ORDER



DIMENSIONS (mm)

Size	L	W	C	d	T
0402	1.0 $\pm$ 0.05	0.5 $\pm$ 0.05	0.2 $\pm$ 0.1	0.25 $\pm$ 0.1	0.35 $\pm$ 0.05
0603	1.6 $\pm$ 0.1	0.80 $\pm$ 0.10	0.3 $\pm$ 0.2	0.3 $\pm$ 0.2	0.45 $\pm$ 0.1

ELECTRICAL CHARACTERISTICS

0402 Size			Shared Characteristics 0402 & 0603	0603 Size		
Part Number	Zero Power Resistance @ 25°C (Ω)	B value (K)		Part Number	Zero Power Resistance @ 25°C (Ω)	B value (K)
NTC05-102□3100M	1.0 K	3100	Resistance Tolerance: $\pm 1\%$, $\pm 2\%$, $\pm 3\%$, $\pm 5\%$, $\pm 10\%$	NTC16-102□3100M	1.0 K	3100
NTC05-152□3100M	1.5 K	3100		NTC16-152□3100M	1.5 K	3100
NTC05-202□3400M	2.0 K	3400		NTC16-202□3400M	2.0 K	3400
NTC05-222□3400M	2.2 K	3400	Tolerance of B value: $\pm 3\%$	NTC16-222□3400M	2.2 K	3400
NTC05-332□3400M	3.3 K	3400		NTC16-332□3400M	3.3 K	3400
NTC05-472□3435M	4.7 K	3435		NTC16-472□3435M	4.7 K	3435
NTC05-502□3435M	5.0 K	3435	Rated Power @ 25°C (mW/°C): 5	NTC16-502□3435M	5.0 K	3435
NTC05-682□3435M	6.8 K	3435		NTC16-682□3435M	6.8 K	3435
NTC05-103□3435M	10 K	3435		NTC16-103□3435M	10 K	3435
NTC05-103□3950M		3950	Typical Dissipation Constant (mW/°C): ≤ 4	NTC16-103□3950M		3950
NTC05-223□3950M	22 K	3950		NTC16-223□3950M	22 K	3950
NTC05-333□3950M	33 K	3950		NTC16-333□3950M	33 K	3950
NTC05-473□3950M	47 K	3950	Operating Temperature Range: -40°C ~ 125°C	NTC16-473□3950M	47 K	3950
NTC05-503□4000M	50 K	4000		NTC16-503□4000M	50 K	4000
NTC05-104□4000M	100 K	4000		NTC16-683□4000M	68 K	4000
				NTC16-104□4000M	100 K	4000
				NTC16-204□4000M	200 K	4000
				NTC16-224□4000M	220 K	4000

PERFORMANCE

Item	Standard	Requirement	Test Condition
Solderability	IEC68-2-20	> 90% of the terminal electrode shall be covered with solder	Soldering Temp: 235 $\pm$ 5°C Soldering Time: 2 $\pm$ 0.5 sec
Resistance to Solder Heat	IEC68-2-20	No serious mechanical damage $\Delta R \leq 3\%$ (ref. to initial value)	Soldering Temperature: 260 $\pm$ 5°C, Soldering Time: 5 $\pm$ 1 sec in solder pot
Damp Heat	IEC68-2-3	No serious mechanical damage $\Delta R \leq 3\%$	Test Temp. & Relative Humidity: 40 $\pm$ 2°C, 90%~95% RH Test Time: 1000 $\pm$ 24 hrs (settled at RT for 24 hrs before measuring)
Thermal Shock	IEC68-2-14	No serious mechanical damage $\Delta R \leq 3\%$	Cycle: min/max temp $\pm$ 5°C (30 min), 25 $\pm$ 5°C (5 min) Cycles Repeated: 100 times
High Temperature Storage	IEC68-2-20	No serious mechanical damage $\Delta R \leq 3\%$	Max Temp: $\pm$ 2°C for 1000 $\pm$ 2 hrs (settled at RT for 24 hrs before measuring)
Life Test	CNS5550	No serious mechanical damage $\Delta R \leq 3\%$	Max Temp $\pm$ 5°C Loading Prated for 1000 $\pm$ 24 hrs (settled at RT for 24 hrs before measuring)

FEATURES

- SMD type NTC Chip Thermistor
- Thinner than multilayer types
- High precision and high stability
- High accuracy in resistance and B constant
- ISO/TS 16949:2002 Certified

APPLICATIONS

- Temperature compensation for transistor, IC Crystal Oscillator of mobile communications equipment.
- Temperature sensor for rechargeable batteries
- Temperature compensation for LCD
- Temperature compensation & sensing for car audio equipment

CONSTRUCTION

