



Chip NTC Thermistor / NTCG Series

Temperature protection device

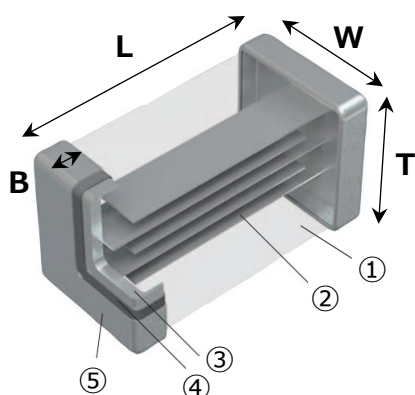
JIS1005 [EIA 0402]

[NTCG103JX103DTDS](#)

- ▶ UL certificate/E250289
- ▶ Max. Temp. 125°C
- ▶ Automotive Grade
- ▶ Compliant with AEC-Q200



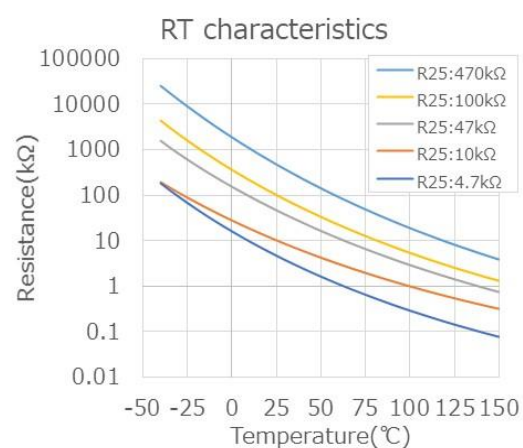
Dimension and Construction



Symbol	Dimension
L	1.0±0.05mm
W	0.5±0.05mm
T	0.5±0.05mm
B	0.1mm min.

No.	Name
①	Semiconductor ceramics
②	Internal electrode
③	Base electrode
④	Ni plating
⑤	Sn plating

Electrical Characteristics



Item		Specification
Resistance	[at 25°C]	10kΩ±0.5%
B value	[at 25/50°C]	3380K typ.
	[at 25/85°C]	3435K±0.7%
Max. Rated power	[at 25°C]	100mW
Thermal Dissipation Constant	[at 25°C]	1mW/°C
Permissible Operating Current	[at 25°C]	0.31mA
Max. Voltage		5V
Operating Temperature		-40°C~125°C
1degC Step Data	[-40°C~125°C]	Link

Package



Item	Specification
Packing	Taping (Paper carrier)
Reel Dimension	φ180mm
Packing Quantity	10,000pcs/reel
Weight	0.0013g