Chip NTC Thermistor

0.6 x 0.3 x 0.3 mm

ABNTC-0201

RoHS/RoHS II Compliant

MSL level: 2A(This product is packed with dry packaging)

FEATURES:

- Large B constant for high temperature sensing capability
- Designed for high density
- Available in standard EIA compatible case size
- Internal electrode designed for enhanced reliability
- Excellent aging stability

APPLICATIONS:

- For temperature measurement or sensor: Digital thermometer, measuring instruments, temperature controller
- For temperature compensation: transistor circuit, TCXO, Crystal Oscillator
- LED lighting driver, Notebook, Cell Phone, Power Supplies, Disk Drive

STANDARD SPECIFICATIONS:

Operating Temperature: -55˚C ~+125˚C

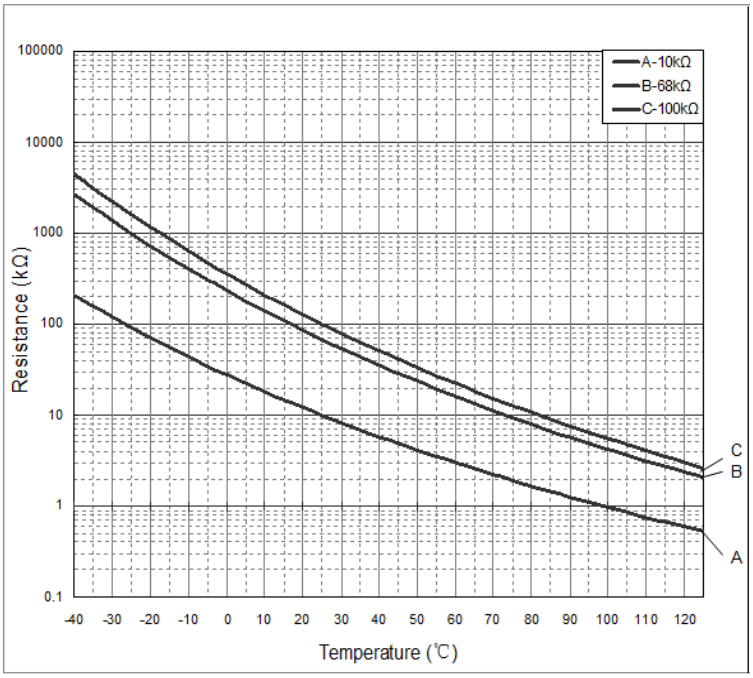
Storage Temperature: -10˚C ~ +40˚C and RH 75% (Max.)

Part Number	Resistance at 25˚CR25 (kΩ)	B constant (25-50˚C) (K)	Max. Permissive Operating Current (25℃) (mA)	Thermal Time Constant	Dissipation Factor (mW/˚C)	Rated Electric Power (mW)
ABNTC-0201-103Δ-3380□	10	3380	0.31	<3sec	1.0	100
ABNTC-0201-683Δ-4150□	68	4150	0.11			
ABNTC-0201-104Δ-4150□	100	4150	0.10			

Δ: Please specify the tolerance code of R25 (F=±1%, H=±3%, J=±5%, K=±10%).

□: Please specify the tolerance code of B value (F=±1%, H=±3%).

ELECTRICAL CHARACTERISTICS CURVES



30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

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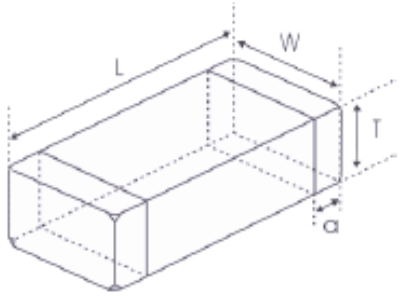
OPTIONS AND PART IDENTIFICATION:

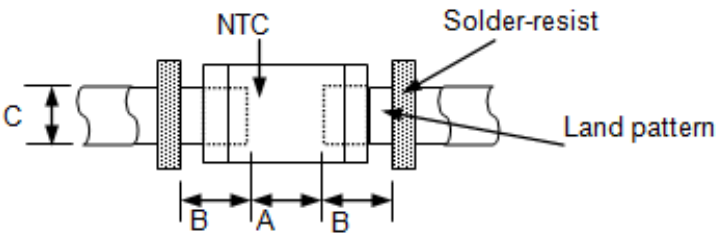
ABNTC-0201- □□ - □□ - □

R25 Code	R 25 Tolerance	B Constant	B Tolerance	Packaging
Please refer to the table above	F=±1% H=±3% J=±5% J=±10%	Please refer to the table above	F=±1% H=±3%	T: Tape and Reel (15kpcs / reel)

OUTLINE DIMENSION:



Recommended Land Pattern

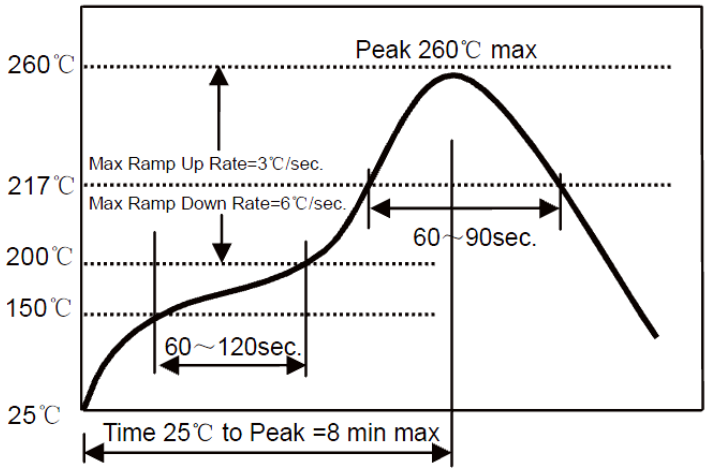


L	W	T	a
0.6±0.05	0.3±0.05	0.3±0.05	0.15±0.05

A	B	C
0.20～0.30	0.20～0.30	0.30～0.35

Dimension: mm

REFLOW PROFILE:



Preheat Condition	150 to 200 ˚C; 60 to 120 sec.
Allowed time above 217 ˚C	60 to 90 sec.
Max temperature	260 ˚C
Max time at max temperature	10 sec.
Solder paste	Sn/3.0Ag/0.5Cu
Allowed Reflow time	2x max.

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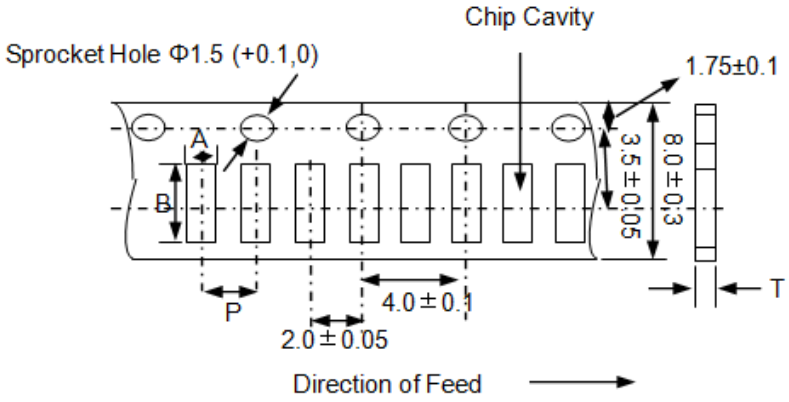
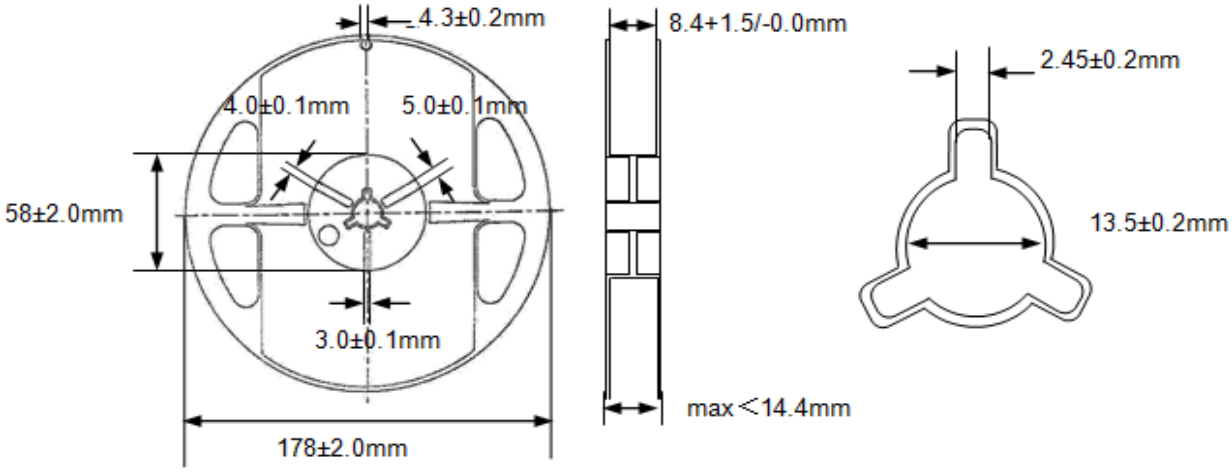
0.6 x 0.3 x 0.3 mm

TAPE & REEL:

Packing
T: 15,000pcs / reel



A	B	P	T (max)
0.40±0.1	0.70±0.1	2.0±0.05	0.55



Dimension: mm

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