



DATA SHEET

PRODUCT

SMD NTC Thermistor

SERIES

JSN-A Automotive Series

PART NO.

**QUICK
REFERENCE
DATA**

PARAMETER	VALUE	UNIT
Size	0402(1005)~0805(2012)	Inch(mm)
Resistance Value R25	10~ 100	KΩ
B25/50	3380~4360	K
B25/85	3435~4490	K

ISSUE DATE

2023/03/24

REVISION DATE

2025/01/20

REFERENCE NO.

AEC-Q200 Qualified

RoHS COMPLIANCE ITEM

Halogen Free

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Features

1. RoHS / Halogen-Free (HF) compliant
2. Highly reliable structure
3. Operating temperature range: -40°C ~ + 175°C
4. Qualified based on AEC-Q200

Applications

1. IT equipment
2. Mobile devices
3. Battery packs
4. Office automation equipment
5. Automotive

How to order

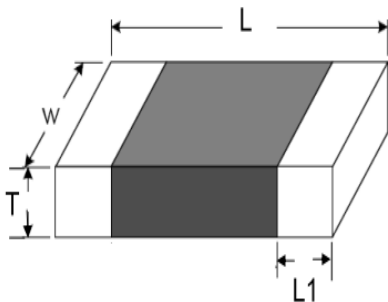
Part Number Code															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
J	S	N	B	1	0	3	F	3	4	4	F	B	B	X	A
①			②	③			④	⑤			⑥	⑦	⑧		

①	Product Type	JSN series	⑤	B Value	344 = 3435 K 405 = 4050 K
②	Size	A = 0402 (1005) B = 0603 (1608) C = 0805 (2012)	⑥	Tolerance of B Value	D = ± 0.5% H = ± 3% E = ± 0.7% J = ± 5% F = ± 1% G = ± 2%
③	Zero Power Resistance @25°C (R25)	103 = 10KΩ 104 = 100KΩ	⑦	Definition of B Value	A = 25/50 B = 25/85 C = 25/100
④	Tolerance of R25	D = ± 0.5% H = ± 3% E = ± 0.7% J = ± 5% F = ± 1% K = ± 10% G = ± 2%	⑧	Optional Suffix	Internal Control Code A = AEC-Q200&175°C

Safety Certification

Structure and Dimension

Unit in mm



Size	L	W	T	L1
JSNA(0402)	1.00±0.15	0.50±0.15	0.50±0.15	0.25±0.10
JSNB(0603)	1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.20
JSNC(0805)	2.00±0.20	1.25±0.20	0.85±0.20	0.50±0.30

■ Electrical Characteristics

Part No.	Zero Power Resistance at 25°C	Tol. of R25	B 25/50 Value	Tol. of B value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNA103X338YABXA	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X395YABXA	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X405YABXA	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X420YABXA	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X425YABXA	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNB103X338YABXA	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X344YABXA	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X395YABXA	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X390YABXA	47,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X405YABXA	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X395YABXA	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X420YABXA	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X425YABXA	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X436YABXA	100,000	10,5,3,2,1	4360	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YABXA	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNC103X390YABXA	10,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X390YABXA	47,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X395YABXA	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X405YABXA	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X420YABXA	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X425YABXA	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.4	Approx. 7.5	240

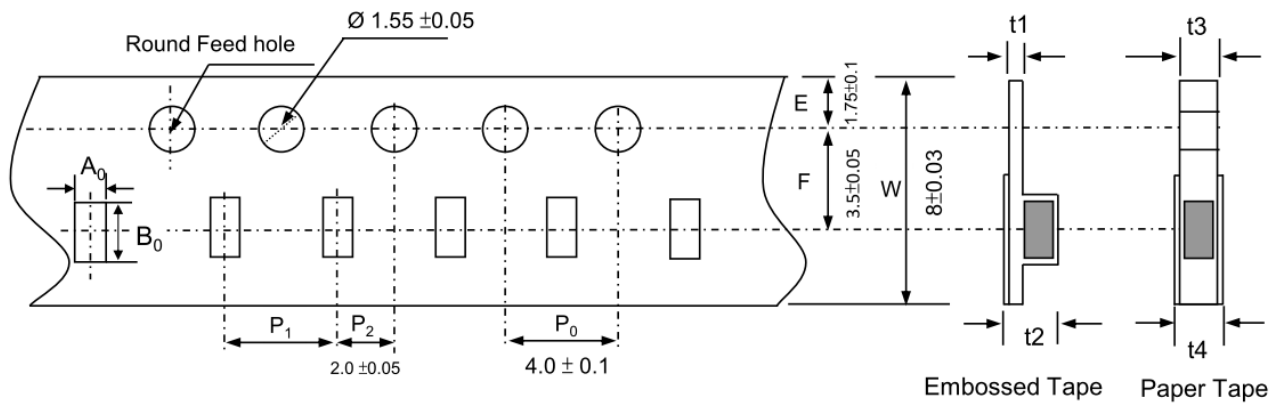
※ X : R Tolerance, Y : B Value Tolerance

■ Electrical Characteristics

Part No.	Zero Power Resistance at 25°C	Tol. of R25	B 25/85 Value	Tol. of B value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNA103X344YBBXA	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X405YBBXA	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X410YBBXA	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X430YBBXA	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNB103X344YBBXA	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X361YBBXA	10,000	10,5,3,2,1	3610	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X399YBBXA	10,000	10,5,3,2,1	3990	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X395YBBXA	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X410YBBXA	47,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X398YBBXA	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X405YBBXA	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X410YBBXA	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X430YBBXA	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X436YBBXA	100,000	10,5,3,2,1	4360	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YBBXA	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X449YBBXA	100,000	10,5,3,2,1	4490	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB204X406YBBXA	200000	10,5,3,2,1	4060	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNC103X344YBBXA	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X394YBBXA	10,000	10,5,3,2,1	3940	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X395YBBXA	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X398YBBXA	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X405YBBXA	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X410YBBXA	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X430YBBXA	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 2.4	Approx. 7.5	240

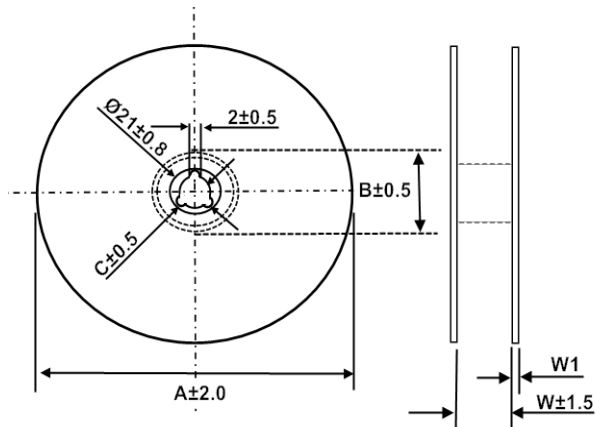
※ X : R Tolerance, Y : B Value Tolerance

Packing



Dimension of Paper Tape

Size	$A_0 \pm 0.1$ (mm)	$B_0 \pm 0.1$ (mm)	$P_1 \pm 0.1$ (mm)	t_1 / t_2 (mm)	Quantity / Reel(Pcs)
JSNA (0402)	0.65	1.15	4	1.0max / 1.1max	10000
JSNB (0603)	1.10	1.90	4	1.0max / 1.1max	4000
JSNC (0805)	1.50	2.35	4	1.0max / 1.1max	4000



Reel Specification

Unit in mm

Size	A	B	C	W	W_1
JSNA (0402)	178	60	13	10	1.6
JSNB (0603)	178	60	13	10	1.6
JSNC (0805)	178	60	13	10	1.6