



DATA SHEET

PRODUCT

SMD NTC Thermistor

SERIES

JSN 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	3380~4400	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

Disclaimer:

- This datasheet is downloaded from the Website of Joyin Co., Ltd, and Joyin Co., Ltd. reserves all rights for modification content without further notification.
- All product, specification and data are subject to change without notice.
- Joyin Co., Ltd, its affiliates, agents, employees, and all persons acting on its or their behalf, hereby disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any product related information, including but not limited to product specifications, datasheets, pictures and/or graphics.
- Joyin Co., Ltd makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. It is the customer's responsibility to validate that a particular product is suitable for use in a particular application.
- To the maximum extent permitted by applicable law, Joyin Co., Ltd disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- If you have any questions, please contact our sales staff.



Features

1. RoHS / Halogen-Free (HF) compliant
2. Highly reliable structure
3. Operating temperature range: -40°C ~ + 150°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

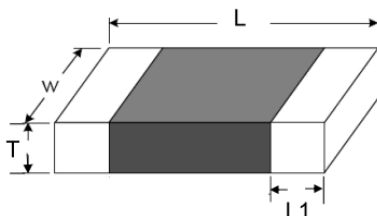
Part Number Code															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
J	S	N	B	1	0	3	F	3	4	4	F	B	B	X	C
①			②	③			④	⑤			⑥	⑦	⑧		

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

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)
JSNA103X338YABXC	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X395YABXC	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X405YABXC	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X405YABXC	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X420YABXC	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X425YABXC	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X338YAEWC	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X425YAEWC	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNB103X338YABXC	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X344YABXC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X394YABXC	10,000	10,5,3,2,1	3940	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X395YABXC	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB153X395YABXC	15,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X390YABXC	47,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X405YABXC	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X410YABXC	47,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X395YABXC	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X420YABXC	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X425YABXC	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X436YABXC	100,000	10,5,3,2,1	4360	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YABXC	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X338YAEWC	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X395YAEWC	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X405YAEWC	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X425YAEWC	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNC103X390YABXC	10,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X390YABXC	47,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X395YABXC	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X405YABXC	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X420YABXC	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X425YABXC	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

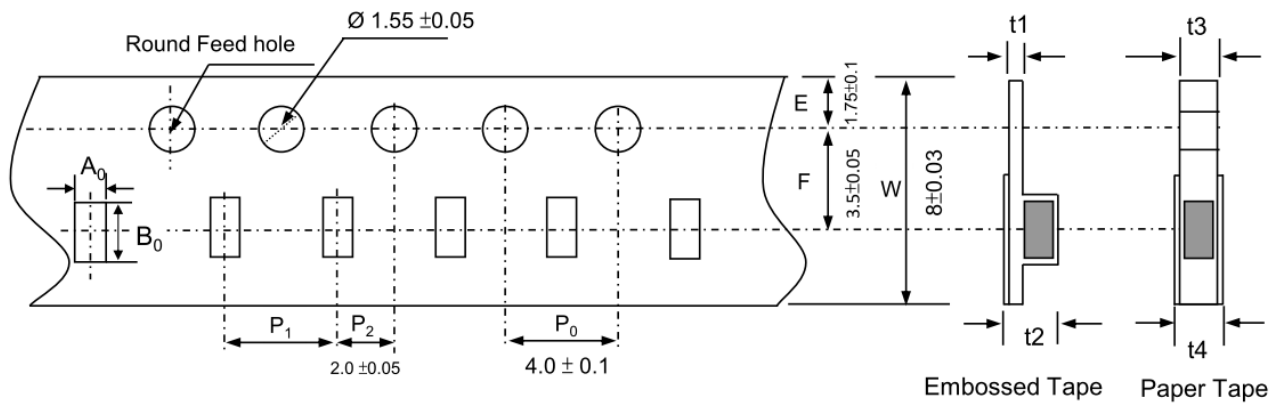
Part No.	Zero Power Resistance at 25°C	Tol. of R25	B 25/85 Value	Tol. of B value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNA103X344YBBXC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X395YBBXC	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA153X397YBBXC	15,000	10,5,3,2,1	3970	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X405YBBXC	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X410YBBXC	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X344YBEWC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X430YBEWC	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X430YBBXC	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNB103X344YBBXC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X361YBBXC	10,000	10,5,3,2,1	3610	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X395YBBXC	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X396YBBXC	10,000	10,5,3,2,1	3960	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X397YBBXC	10,000	10,5,3,2,1	3970	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X398YBBXC	10,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X395YBBXC	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB204X406YBBXC	200,000	10,5,3,2,1	4060	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X396YBBXC	47,000	10,5,3,2,1	3960	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X410YBBXC	47,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X398YBBXC	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X405YBBXC	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X410YBBXC	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X430YBBXC	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X436YBBXC	100,000	10,5,3,2,1	4360	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YBBXC	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X344YBEWC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X361YBEWC	10,000	10,5,3,2,1	3610	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X405YBEWC	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YBEWC	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X449YBBXC	100,000	10,5,3,2,1	4490	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNC103X344YBBXC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X394YBBXC	10,000	10,5,3,2,1	3940	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X395YBBXC	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X397YBBXC	10,000	10,5,3,2,1	3970	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X398YBBXC	10,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X395YBBXC	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X398YBBXC	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X400YBBXC	100,000	10,5,3,2,1	4000	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X405YBBXC	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X410YBBXC	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X415YBBXC	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X430YBBXC	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X344YBEWC	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.4	Approx. 7.5	240

※ X : R Tolerance, Y : B Value Tolerance

Electrical Characteristics

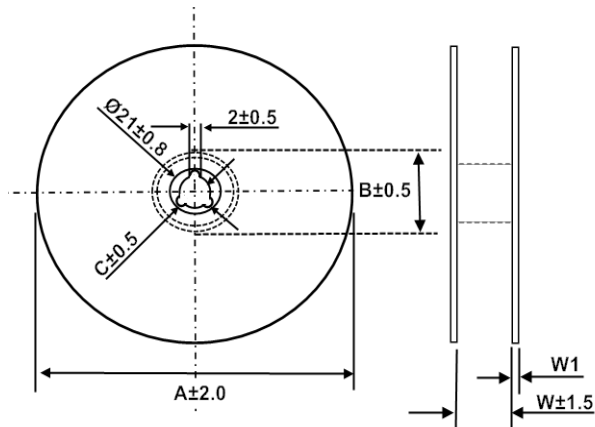
Part No.	Zero Power Resistance at 25°C	Tol. of R25	B 25/100 Value	Tol. of B value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNC103X365YCBXC	10,000	10,5,3,2,1	3650	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNC104X448YCBXC	100,000	10,5,3,2,1	4480	5,3,2,1	Approx. 1.7	Approx. 3.0	170

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