



DATA SHEET

PRODUCT

SMD NTC Thermistor

SERIES

JSN-H Series

PART NO.

**QUICK
REFERENCE
DATA**

PARAMETER	VALUE	UNIT
Size	0201(0603)~0805(2012)	Inch(mm)
Resistance Value R25	10~ 220	KΩ
B25/50	3380~4400	K
B25/85	3435~4490	K

ISSUE DATE

2023/03/23

REVISION DATE

2025/01/20

REFERENCE NO.

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 ~ + 150°C

Applications

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

How to order

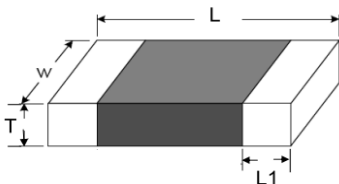
Part Number Code															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
J	S	N	A	1	0	3	F	3	4	4	F	B	B	X	H
①			②	③			④	⑤			⑥	⑦	⑧		

①	Product Type	JSN series	⑤	B Value	344 = 3435 K 405 = 4050 K
②	Size	Z = 0201 (0603) 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)	502 = 5KΩ 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

Safety Certification

Structure and Dimension

Unit in mm



Size	L	W	T	L1
JSNZ(0201)	0.60±0.05	0.30±0.05	0.30±0.05	0.15±0.05
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	Tolerance of R25	B 25/50 Value	Tolerance of B Value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNZ103X338YABXH	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 1.0	Approx. 3.0	100
JSNZ473X405YABXH	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.0	Approx. 3.0	100
JSNZ104X425YABXH	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 1.0	Approx. 3.0	100
JSNZ474X395YABXH	470,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.0	Approx. 3.0	100
JSNA103X338YABXH	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X390YABXH	10,000	10,5,3,2,1	3900	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA153X390YABXH	15,000	10,5,3,2,1	3900	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA333X390YABXH	33,000	10,5,3,2,1	3900	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA333X405YABXH	33,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X395YABXH	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X405YABXH	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X405YABXH	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X410YABXH	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X425YABXH	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA204X395YABXH	200,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X337YAEWH	10,000	10,5,3,2,1	3370	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X338YAEWH	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X425YAEWH	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNB103X337YABXH	10,000	10,5,3,2,1	3370	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X338YABXH	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X344YABXH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X345YABXH	10,000	10,5,3,2,1	3450	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X395YABXH	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB153X395YABXH	15,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB333X405YABXH	33,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X390YABXH	47,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X395YABXH	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X405YABXH	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB503F390YABXH	50,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB503F395YABXH	50,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB503X405YABXH	50,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB683F390YABXH	68,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB683F395YABXH	68,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB683X405YABXH	68,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X395YABXH	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X405YABXH	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X410YABXH	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X420YABXH	100,000	10,5,3,2,1	4200	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X425YABXH	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X436YABXH	100,000	10,5,3,2,1	4360	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YABXH	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB154X395YABXH	150,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210

※ X : R Tolerance, Y : B Value Tolerance

Electrical Characteristics

Part No.	Zero Power Resistance at 25°C	Tolerance of R25	B 25/50 Value	Tolerance of B Value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNB204X395YABXH	200,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X338YAEWH	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X425YAEWH	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNC103X338YABXH	10,000	10,5,3,2,1	3380	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X361YABXH	10,000	10,5,3,2,1	3610	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X390YABXH	10,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X395YABXH	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X390YABXH	47,000	10,5,3,2,1	3900	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X395YABXH	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC503X395YABXH	50,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC683X395YABXH	68,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC683X405YABXH	68,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X395YABXH	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X425YABXH	100,000	10,5,3,2,1	4250	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC204X395YABXH	200,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X338YAEWH	10,000	10,5,3,2,1	3380	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	Tolerance of R25	B 25/85 Value	Tolerance of B Value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNZ103X344YBBXH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 1.0	Approx. 3.0	100
JSNZ474X405YBBXH	470,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.0	Approx. 3.0	100
JSNA103X344YBBXH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X395YBBXH	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA153X395YBBXH	15,000	10,5,3,2,1	3950	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA333X410YBBXH	33,000	10,5,3,2,1	4100	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X405YBBXH	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA473X410YBBXH	47,000	10,5,3,2,1	4100	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X398YBBXH	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X405YBBXH	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X410YBBXH	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X419YBBXH	100,000	10,5,3,2,1	4190	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X431YBBXH	100,000	10,5,3,2,1	4310	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA204X405YBBXH	200,000	10,5,3,2,1	4050	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA103X344YBEWH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X430YBEWH	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNA104X431YBEWH	100,000	10,5,3,2,1	4310	5,3,2,1	Approx. 1.7	Approx. 3.0	170
JSNB682X344YBBXH	6,800	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X344YBBXH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X361YBBXH	10,000	10,5,3,2,1	3610	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X397YBBXH	10,000	10,5,3,2,1	3970	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X398YBBXH	10,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X399YBBXH	10,000	10,5,3,2,1	3990	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB153X397YBBXH	15,000	10,5,3,2,1	3970	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB333X410YBBXH	33,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X395YBBXH	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X398YBBXH	47,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB473X405YBBXH	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB503X395YBBXH	50,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB683X405YBBXH	68,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB683X410YBBXH	68,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X395YBBXH	100,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X398YBBXH	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X405YBBXH	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X410YBBXH	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X419YBBXH	100,000	10,5,3,2,1	4190	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X430YBBXH	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X436YBBXH	100,000	10,5,3,2,1	4360	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X440YBBXH	100,000	10,5,3,2,1	4400	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X449YBBXH	100,000	10,5,3,2,1	4485	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB154X398YBBXH	150,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB154X406YBBXH	150,000	10,5,3,2,1	4060	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB204X406YBBXH	200,000	10,5,3,2,1	4060	5,3,2,1	Approx. 2.1	Approx. 3.1	210

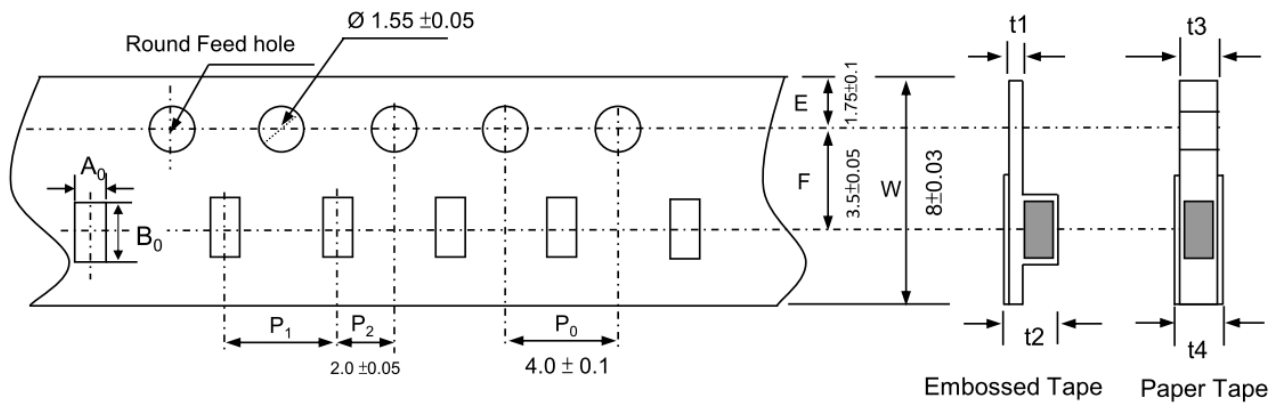
※ X : R Tolerance, Y : B Value Tolerance

Electrical Characteristics

Part No.	Zero Power Resistance at 25°C	Tolerance of R25	B 25/85 Value	Tolerance of B Value	Dissipation Factor	Thermal Time Constant	Max. Power Rating at 25°C
	R 25 (Ω)	(± %)	(K)	(± %)	δ(mW/°C)	τ(sec.)	(mW)
JSNB204X410YBBXH	200,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB474X410YBBXH	470,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X344YBEWH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB103X395YBEWH	10,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB104X410YBEWH	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNB204X410YBEWH	200,000	10,5,3,2,1	4060	5,3,2,1	Approx. 2.1	Approx. 3.1	210
JSNC502X344YBBXH	5,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC682X344YBBXH	6,800	10,5,3,2,1	3435	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X344YBBXH	10,000	10,5,3,2,1	3435	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X357YBBXH	10,000	10,5,3,2,1	3570	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X361YBBXH	10,000	10,5,3,2,1	3610	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X394YBBXH	10,000	10,5,3,2,1	3940	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X397YBBXH	10,000	10,5,3,2,1	3970	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X398YBBXH	10,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC103X399YBBXH	10,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X395YBBXH	47,000	10,5,3,2,1	3950	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X400YBBXH	47,000	10,5,3,2,1	4000	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC473X405YBBXH	47,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC503X400YBBXH	50,000	10,5,3,2,1	4000	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC683X400YBBXH	68,000	10,5,3,2,1	4000	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC683X405YBBXH	68,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC683X410YBBXH	68,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X398YBBXH	100,000	10,5,3,2,1	3980	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X400YBBXH	100,000	10,5,3,2,1	4000	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X405YBBXH	100,000	10,5,3,2,1	4050	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X410YBBXH	100,000	10,5,3,2,1	4100	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC104X430YBBXH	100,000	10,5,3,2,1	4300	5,3,2,1	Approx. 2.4	Approx. 7.5	240
JSNC204X406YBBXH	200,000	10,5,3,2,1	4060	5,3,2,1	Approx. 2.4	Approx. 7.5	240

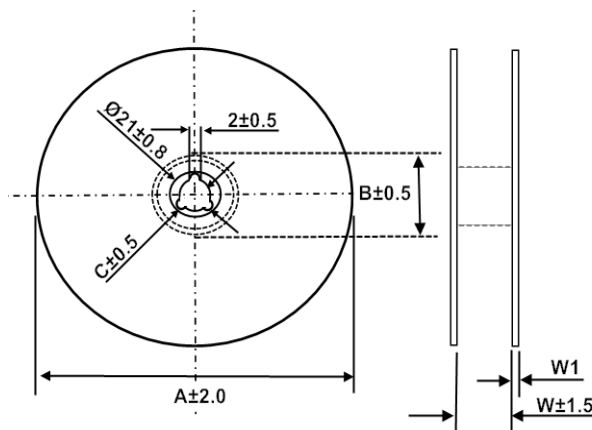
※ X : R Tolerance, Y : B Value Tolerance

Packing



Dimension of Paper Tape

Size	A0 ±0.1 (mm)	B0 ±0.1 (mm)	P1 ±0.1 (mm)	t1 / t2 (mm)	Quantity / Reel(Pcs)
JSNZ (0201)	0.38	0.68	2	t2 ≤ 0.5	15000
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
JSNZ (0201)	178	60	13	10	1.6
JSNA (0402)	178	60	13	10	1.6
JSNB (0603)	178	60	13	10	1.6
JSNC (0805)	178	60	13	10	1.6