

Dongguan, Guangdong, China

682J3600 6.8Kohm Chip NTC Thermistor Surface Mount 3600k For Temperature Compensation

Basic Information

- Place of Origin:
- Brand Name:
- Certification: UL,ROHS,REACH
- Model Number:Minimum Order
- Quantity:
- Price: TBA
- Packaging Details: Tape,10000pcs/disk
- Delivery Time: 10 workdays
- Payment Terms: T/T, Western Union, MoneyGram

LINKUN

0402 682J3600F

10000 Pieces

Supply Ability: 1000,000,000 Pieces Per Month



Product Specification

Nominal Zero-Power	4.7ΚΩ-150ΚΩ
Resistance:	

- Size: 0201-1206
- Operating Temperature -40°C~+125°C Range:
- Accuracy: ±1%~±5%
- Product: SMD NTC Thermistor
- Thermal Time Constant: <5S
- Dissipation Factor: <=1.0mW/°C
- Storage Temperature -40°C~+125°C Range:
- Highlight:



More Images



NTC thermistor for temperature compensation

NTC 6.8Kohm thermistor, 3600k chip NTC thermistor,

Our Product Introduction

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Product Description

2 Product Identification(Part Number)

QN 0402 X 103 F 3435 F ① ② ③ ④ ⑤ ⑥ ⑦

<u>A</u> (8)

 Type 		④Nominal Zero 25℃	Power Resistance at	B Constant B Constant Const Constant Constant Constant Constant Const	int
QN	ot i amo mi	222	2.2kΩ	3435	3435K
	Chip NTC Thermistor	103	10kΩ	3950	3950K
2)(mm) External Dime	nsions (L×W×T)	474	470kΩ	4250	4250K
0201[0603]	0.60×0.30×0.30			7 Tolerance o	f B Constant
0402[1005]	1.00×0.50×0.50	⑤ Tolerance of	Resistance	F	±1%
0603[1608]	1.60×0.80×0.80	F	±1%	н	±3%
0805[2012]	2.00×1.25×0.85	G	±2%		
1206[3216]	3.20×1.60×0.85	Н	±3%	 B constant calculation method 	
3 Delimiter		J	±5%	A	25°C&85°C
g berninter	x			В	25°C&50°C

Specifications for Chip NTC thermistor 3 Electrical Characteristics 1) F Series						3/10		
Part No	Resistance (25°C) (kΩ)	B Constant (25/50°C) (K)	B Constant (25/85°C) (K)	Permissible Operating Current (25°C) (mA)	Dissipation Factor (mW/°C)	Thermal Time Constant (s)	Rated Electric Power(25°C) (mW)	Operating ambient temperatur ('C)
QN0402X103F3435FA	10±1%	3380±1%	3435±1%	0.31				
QN0402X103F3450FB	10±1%	3450±1%	3500	0.31				
QN0402X103F3950FB	10±1%	3950±1%	3987	0.31				
QN0402X223F3950FB	22±1%	3950±1%	3987	0.21				
QN0402X333F4050FB	33±1%	4050±1%	4100	0.17				
QN0402X473F4050FB	47±1%	4050±1%	4100	0.14	1.0	<3	100	-40~+125
QN0402X683F4150FB	68±1%	4150±1%	4210	0.12				
QN0402X104F3950FB	100±1%	3950±1%	3987	0.10				
QN0402X104F4250FB	100±1%	4250±1%	4310	0.10				
QN0402X474F4050FA	470±1%	4000±1%	4050±1%	0.04				

2) H Series

Part No	Resistance (25°C) (kΩ)	B Constant (25/50°C) (K)	B Constant (K)	Permissible Operating Current (25°C) (mA)	Dissipation Factor (<u>mW</u> /°C)	Thermal Time Constant (s)	Rated Electric Power(25°C) (mW)	Operating ambient temperature (°C)
QN0402X103H3435FA	10±3%	3380±1%	3435±1%	0.31				
QN0402X103H3450FB	10±3%	3450±1%	3500	0.31				
QN0402X103H3950FB	10±3%	3950±1%	3987	0.31				
QN0402X223H3950FB	22±3%	3950±1%	3987	0.21				
QN0402X333H4050FB	33±3%	4050±1%	4100	0.17	1.0	<3	100	-40~+125
QN0402X473H4050FB	47±3%	4050±1%	4100	0.14				
QN0402X683H4150FB	68±3%	4150±1%	4210	0.12				
QN0402X104H3950FB	100±3%	3950±1%	3987	0.10				
QN0402X104H4250FB	100±3%	4250±1%	4310	0.10				

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3) J Series

Specifications	for	Chip	NTC	thermistor	

5) 5 Series								
Part No	Resistance (25°C) (kQ)	B Constant (25/50°C) (K)	B Constant (25/85°C) (K)	Permissible Operating Current (25°C) (mA)	Dissipation Factor (<u>mW</u> /"C)	Thermal Time Constant (\$)	Rated Electric Power(25°C) (mW)	Operating ambient temperature (°C)
QN0402X103J3435FA	10±5%	3380±1%	3435±1%	0.31				
QN0402X103J3450FB	10±5%	3450±1%	3500	0.31				
QN0402X103J3950FB	10±5%	3950±1%	3987	0.31				
QN0402X223J3950FB	22±5%	3950±1%	3987	0.21				
QN0402X333J4050FB	33±5%	4050±1%	4100	0.17			100	
QN0402X473J4050FB	47±5%	4050±1%	4100	0.14	1.0	<3		-40~+125
QN0402X683J4150FB	68±5%	4150±1%	4210	0.12				
QN0402X104J3950FB	100±5%	3950±1%	3987	0.10				
QN0402X104J4250FB	100±5%	4250±1%	4310	0.10				
QN0402X474J4050FA	470±5%	4000±1%	4050±1%	0.04				

4 Test and Measurement Procedures

Test Conditions

Unless otherwise specified, the standard atmospheric

a. Aconditions for measurement/test as: mbient Temperature: $20{\pm}15{}^{\circ}{\rm C}$

b. Relative Humidity: 65±20%

c. Air Pressure: 86kPa to 106kPaf any doubt on the results, measurements/tests should

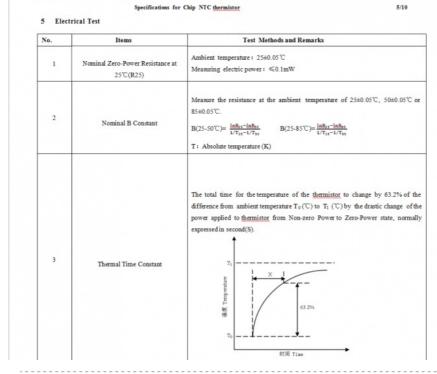
be made within the following limits:

a. Ambient Temperature: 25±2°C b. Relative Humidity: 65±5%

c. Air Pressure: 86kPa to 106kPa

Inspection Equipment Visual Examination: 20×magnifier

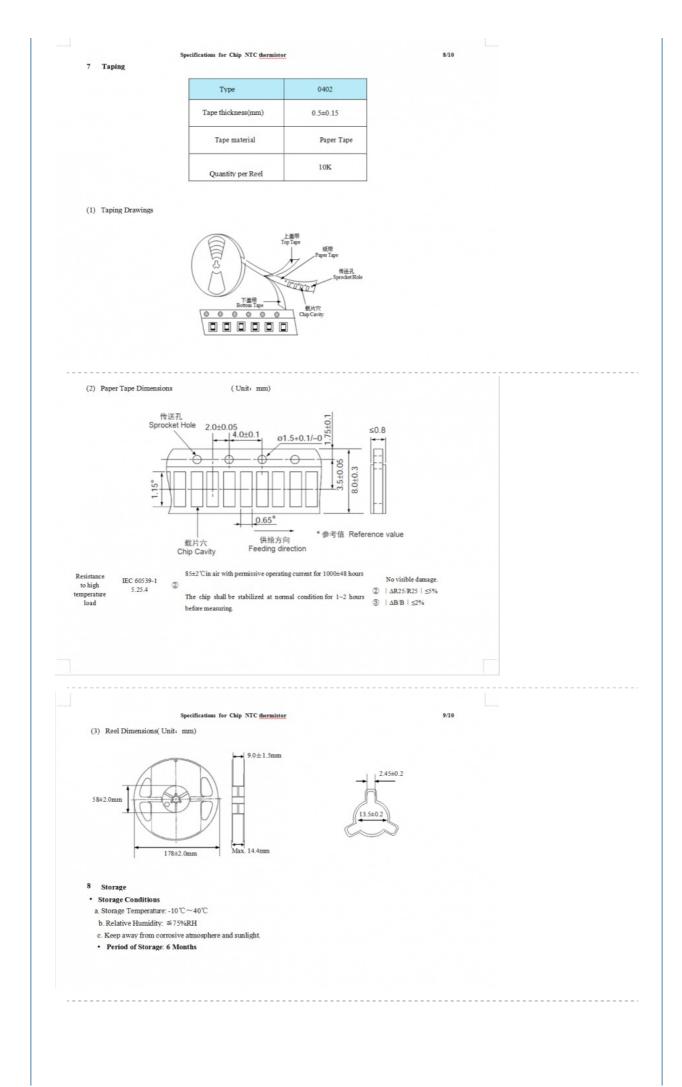
Resistance value test: Thermistor resistance tester



6 Reliability Test

Items	Standard	Test Methods and Remarks				1	Requiren	ients	
		Solder the chip to the testing using eutectic solder. Then a				No removal o or other defec	-		rminat
Term in al	IEC 60068-2-21	Size	F	Duration		Chip			
Strength		0201, 0402, 0603 5N 10±1s			-	- 1			
		0805	10N	- 10±1s			, 🖂		
						1			
		Solder the chip to the test j using a eutectic solder. The follow;		-		-			1
		using a eutectic solder. The		-		No visib	825 ≤59	%	c
		using a eutectic solder. The		-		No visib ② ∆R25/I	R25 ≤59 un	% it:mn	c
		using a eutectic solder. The follow;		-		No visib ② ∆R25/F Type	a 0.25 ≤59 un 0.25 0.4	it : mn b 0.3 1.5	c 0.3 0.5
	IEC 60068-2-21	using a eutectic solder. The follow;	en apply a	force in the dir	ection shown as	No visib ② ΔR25/F 0201 0402 0603	a 0.25 ≤59 a 0.25 0.4 1.0	% iit:mm b 0.3 1.5 3.0	c 0.3 0.5 1.2
Resistance to <u>Flexure</u>	IEC 60068-2-21	using a eutectic solder. The follow;		-	ection shown as	No visib ② △R25/F Type 0201 0402	a 0.25 ≤59 un 0.25 0.4	it : mn b 0.3 1.5	
	IEC 60068-2-21	using a eutectic solder. The follow;	en apply a	force in the dir	ection shown as	No visib ② ΔR25/F 0201 0402 0603	a 0.25 ≤59 a 0.25 0.4 1.0	% iit:mm b 0.3 1.5 3.0	c 0.3 0.5 1.2

Vibration	IEC 60068-2-80	 Solder the chip to the testing jig (glass epoxy board shown in the left) using eutectic solder. The chip shall be subjected to a simple harmonic motion having total amplitude of 1.5mm, the frequency being varied uniformly between the approximate limits of 10 and 55 Hz. The frequency ranges from 10 to 55 Hz and return to 10 Hz shall be traversed in approximately 1 minute. This motion shall be applied for a period of 2 hours in each 3mutually perpendicular directions (total of 6 hours). 	No visible damage. 開始 Cupad 現現版 Solder mask <u>1987</u> <u>1987</u> <u>1987</u> <u>1987</u> <u>1987</u> <u>1987</u> 598 598 598 598 598 598 598 59
Dropping	IEC 60068-2-32	Drop a chip 10 times on a concrete floor from a height of 1 meter.	No visible damage.



9 Notes & Warnings		
 The QN series themistors shall not be operated stored under the following environmental condition: 	and	
(1) Corrosive or deoxidized atmospheres		
(such as chlorine, sulfurated hydrogen, ammonia, sul acid, nitric oxide and so on)	lurie	
(2) Volatile or inflammable atmospheres		
(3) Dusty condition		
(4) Excessively high or low pressure condition		
(5) Humid site		
(6) Places with brine, oil, chemical liquid or org	anic solvent	
(7) Intense vibration		
(8) Places with analogously deleterious conditions		
The ceramic body of the QN series thermistors is fr	açile,	
no excessive pressure or impact shall be exerted on	it.	
· The QN series thermistors shall not be operated bey	rond	
the specified "Operating Temperature Range"	in the catalog.	
roduct Description:		

SMD NTC Thermistor is a high precision chip NTC thermistor with a 0603 (1608) package. It has excellent electrical and thermal characteristics, and its thermal time constant is less than 5S. It has nominal zero-power resistance of $4.7K\Omega$ -150K Ω and permissible operating current of 0.31mA at 25°C. The time constant is ≤30S and its constant is 3200/ 3380/ 3435/ 3600/ 3950/ 4100/ 4250/ 4500 at 25/50°C. It is reliable and accurate, and is widely used in temperature sensing applications.

Technical Parameters:

Property	Description
Size	0402-1206
Nominal Zero- Power Resistance	4.7ΚΩ-150ΚΩ
Permissible Operating Current (25°C)	0.31mA
Constant (25/50°C) (K)	3200/ 3380/ 3435/ 3600/ 3950/ 4100/ 4250/ 4500
Rated Electric Power (25°C)	100mW
Storage Temperature Range	-40°C~+125°C
Operating Temperature Range	-40°C~+125°C
Thermal Time Constant	<5S
Time Constant	<=30S
Accuracy	±1%~±5%

Applications:

LINKUN, the factory direct sales leader in SMD NTC Thermistor, offers chip package thermistor with UL, ROHS, and REACH certifications. The minimum order quantity is 4000 pieces, with tape packaging and 10 workdays delivery time. Acceptable payment terms are T/T, Western Union, and MoneyGram. With a supply ability of 1000,000 pieces per month, the product also has a dissipation factor of less than or equal to 1.0mW/°C and a time constant of less than or equal to 30S, in addition to a rated electric power of 100mW at 25°C and a size of 0402-1206.

Customization:

Custom Service for SMD NTC Thermistor Brand Name: LINKUN Model Number: 1608X103F3450FB Place of Origin: Dongguan, Guangdong, China Certification: UL, ROHS, REACH Minimum Order Quantity: 4000 Pieces Price: TBA Packaging Details: Tape, 4000pcs/disk Delivery Time: 10 workdays Payment Terms: T/T, Western Union, MoneyGram Supply Ability: 1000,000,000 Pieces Per Month Operating Temperature Range: -40°C~+125°C Storage Temperature Range: -40°C~+125°C Time Constant: <=30S Dissipation Factor: <=1.0mW/°C Product: SMD NTC Thermistor

Linkun offers a tailor-made service for **SMD NTC Thermistor**. Our SMD negative temperature thermistor is certified by UL, ROHS, REACH and has excellent performance in operating temperature range $-40^{\circ}C^{+125^{\circ}C}$ and storage temperature range $-40^{\circ}C^{+125^{\circ}C}$. It also offers a quick time constant that is less than or equal to 30S and a dissipation factor that is less than or equal to 1.0mW/°C. We provide 4000 pieces per disk and accept payment via T/T, Western Union, or MoneyGram. We guarantee that delivery will be made within 10 workdays. Our monthly supply capability is up to 1000,000,000 pieces. Please contact us for price inquiry.

Support and Services:

SMD NTC Thermistor Technical Support and Service We offer a wide range of technical support and services for our SMD NTC Thermistor products, including: 24/7 technical support On-site installation and maintenance Full product documentation Online troubleshooting and diagnostic tools Repair and replacement services Live technical support chat For more information on our technical support and services, please contact us today.

Packing and Shipping:

FAQ:

SMD NTC Thermistor FAQs

- Q: What is the brand name for the SMD NTC Thermistor?
- A: The brand name for the SMD NTC Thermistor is LINKUN
- **Q: What is the model number for the SMD NTC Thermistor?** A: The model number for the SMD NTC Thermistor is 1608X103F3450FB.
- Q: Where are the SMD NTC Thermistors manufactured?
- A: The SMD NTC Thermistors are manufactured in Dongguan, Guangdong, China.
- Q: What certifications does the SMD NTC Thermistor have?
- A: The SMD NTC Thermistor has UL, ROHS and REACH certifications.
- Q: What is the minimum order quantity for the SMD NTC Thermistor?
- A: The minimum order quantity for the SMD NTC Thermistor is 4000 pieces.

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