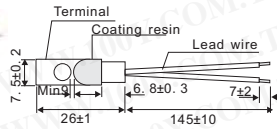


Sensors & Transducers

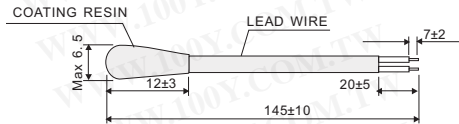
Tks_NTC Thermistor for Sensors

Detailed product specifications are available on: us.100y.com.tw

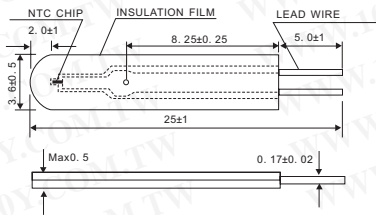


Parameter	Symbol	Test Conditions	Min.	Nor.	Max.	Unit.
Resistance At 25°C	R25	Ta=25°C±0.1°C I<0.5mA	0.095	0.1	0.105	---
Resistance At 50°C	R50	Ta=50°C±0.1°C I<0.5mA	---	3.497	---	KOHM
R25 / R50	K	---	---	2.859	---	---
B Constant	B	(8876 Log K)	3040	3200	3360	K
Thermal Dissipation Constant	c	Ta=25°C±0.1°C	---	20	---	mW/°C
Thermal Time Constant	τ	Ta=25°C±0.1°C	---	19	---	Sec
Hi-Pot Test	---	1000V AC 3 sec	---	---	10	mA

Part No.	Product No.	Manufacturer	Description	Type	Res. At 25°C	Oper. Temp. Range	Res. At 50°C	Terminal	Res. At 85°C
19695	NTSA0100JG001	Tks	NTC Thermistor for Sensor	TSA-010	10KΩ±5%	-10~105°C	3.497KΩ	SQNB5-3.7	
19702	NTSA0101JG001	Tks	NTC Thermistor for Sensor	TSA-101	100KΩ±5%	-10~105°C	3.497KΩ	SQNB5-3.7	
41371	NTSA0103JZ100	Tks	NTSA0103JZ100 SGS	TSA-103	10KΩ±5%	-20~105°C	3.496KΩ		SQNB5-3.7
19701	NTSA0500JG001	Tks	NTC Thermistor for Sensor	TSA-050	15Ω±5%	-10~105°C	3.497KΩ	SQNB5-3.7	
19703	NTSA0501JG001	Tks	NTC Thermistor for Sensor	TSA-501	500KΩ±5%	-10~105°C	3.497KΩ	SQNB5-3.7	
19704	NTSAA103JG009	Tks	NTC Thermistor for Sensor	TSA-103	10KΩ±5%	-10~105°C	3.497KΩ	SQNB5-3.7	



Part No.	Product No.	Manufacturer	Description	Type	Res. At 25°C	Oper. Temp. Range	Res. At 50°C
19705	NTSE0102JG002	Tks	NTC Thermistor for Sensor	TSB-102	1KΩ±5%	-20~85°C	0.373KΩ
19710	NTSE0102JG004	Tks	NTC Thermistor for Sensor	TSE-102	1KΩ±5%	-20~85°C	0.373KΩ
19707	NTSE0103JG024	Tks	NTC Thermistor for Sensor	TSB-103	10KΩ±5%	-20~85°C	3.496KΩ
19711	NTSE0103JG057	Tks	NTC Thermistor for Sensor	TSE-103	10KΩ±5%	-20~85°C	3.496KΩ
41393	NTSE0103JZ238	Tks	NTSA0103JZ100 SGS	TSE-103	10KΩ±5%	-20~85°C	3.496KΩ
19708	NTSE0104JG003	Tks	NTC Thermistor for Sensor	TSB-104	100KΩ±5%	-20~85°C	31.927KΩ
19709	NTSE0501JG001	Tks	NTC Thermistor for Sensor	TSE-501	0.5KΩ±5%	-20~85°C	0.191KΩ
19706	NTSE0502JG020	Tks	NTC Thermistor for Sensor	TSB-502	5KΩ±5%	-20~85°C	1.794KΩ



Parameter	Symbol	Test Conditions	Min.	Nor.	Max.	Unit.
Resistance At 25°C	R25	Ta=25°C±0.05°C P<20μW	9.5	10	10.5	KΩ
Resistance At 85°C	R85	Ta=85°C±0.05°C P<20μW	---	1.451	---	KΩ
R25 / R85	K	---	---	6.892	---	---
B Constant	B	(1779.707 Ln K)	3332	3435	3538	K
Thermal Dissipation Constant	σ	Ta=25°C±0.5°C	0.7	---	---	mW/°C
Thermal Time Constant	τ	Ta=25°C±0.5°C	---	5	---	Sec
Insulation Test	---	100V DC 1 min	---	100	---	mΩ

Part No.	Product No.	Manufacturer	Description	Type	Res. At 25°C	Oper. Temp. Range	Terminal	Res. At 85°C
19717	TTF3A103J34D3AY	Tks	NTC Thermistor for Sensor	TTF-103	10KΩ±5%	-40~+100°C	J093A103J34D3 with Teflon Film	1.451KΩ

Temperature Sensors I.Cs

Detailed product specifications are available on: us.100y.com.tw

TO-52

2P/Flatpack

8P/SOIC

8/DIP

TO-92

3P/TO-46

10P/TO-100

PR35

Part No.	Product No.	Manufacturer	Description	Pins/Package
624	AD590JH	ADI	2 Wire current output temperature transducer	3/TO-52
6561	AD590JH	Intersil	2 Wire current output temperature transducer	3/TO-52
14491	AD590KF	ADI	Temperature Transducer IC.	2P/Flatpack
32335	AD590KH	ADI	Two-Terminal IC Temperature Transducer	3/TO-52
45282	AD590KRZ	ADI	Two-Terminal IC Temperature Transducer	8P/SOIC
32337	AD592AN	ADI	Low Cost, Precision IC Temperature Transducer	3P/TO-92
32346	AD597AH	ADI	Thermocouple Conditioner and Setpoint Controller	10P/TO-100
39686	DS1620	DALLAS	Digital Thermometer and Thermostat	8P-DIP
33020	DS1820	DALLAS	1-Wire Digital Thermometer	PR35
42924	DS1833-5	DALLAS	5V EconoReset	TO-92
33021	DS18B20	DALLAS	Programmable Resolution 1-Wire Digital Thermometer	3P/TO-92



T E L : Taiwan: 886-3-5753170
 F A X : Taiwan: 886-3-5753172
 E-mail : Taiwan: us_sale@100y.com.tw

Shenzhen: 86-755-83298787
 Shenzhen: 86-755-83640655
 Shenzhen: 100y@163.com

Shanghai: 86-21-54151736
 Shanghai: 86-21-64605107
 Shanghai: 100y-1@163.com