



Passive Components > Resistors > Thermistors



Resistance Value: **6.8K Ω**

Package Size Code: **0805**

Beta Value: **3850 K**

Mode of Operation: **Negative Temperature Coefficient**

Features

Product Type Features

Package Size Code	0805
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Electrical Characteristics

Passive Component Tolerance	5 %
Resistance Value	6.8K Ω

Dimensions

Product Width	1.25 mm[.049 in]
Product Length	2 mm[.078 in]
Product Height	.5 mm[.019 in]

Operation/Application

Mode of Operation	Negative Temperature Coefficient
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Packaging Features

Packaging Method	Taped & Reeled
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Other

Beta Value	3850 K
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant



China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # 1624346-2 NTC0805 5% 150K	 TE Part # 1624359-2 NTC0805 5% 33K	 TE Part # 1624351-1 NTC0805 5% 20K	 TE Part # 1624366-2 NTC0805 5% 680R
 TE Part # 1624352-1 NTC0805 5% 220R	 TE Part # 1624363-1 NTC0805 5% 47K	 TE Part # 1624344-2 NTC0805 5% 100K	 TE Part # 1624362-1 NTC0805 5% 470R

NTC0805J6K8

6.8K ohm Thermistor, 0805, 3850 K Beta Value, Negative Temperature Coefficient, Neohm NTC



TE Part # 1624348-2
NTC0805 5% 15K

TE Part # 1624349-1
NTC0805 5% 1K0

TE Part # 1624365-1
NTC0805 5% 5K0

TE Part # 1624357-2
NTC0805 5% 30K

TE Part # 1624364-2
NTC0805 5% 4K7

TE Part # 1624361-2
NTC0805 5% 3K3

TE Part # 1624354-2
NTC0805 5% 2K0

TE Part # 1624347-1
NTC0805 5% 150R

TE Part # 1624358-2
NTC0805 5% 330R

TE Part # 1624360-2
NTC0805 5% 3K0

TE Part # 1624353-2
NTC0805 5% 22K

TE Part # 1624350-2
NTC0805 5% 1K5

Also in the Series | [Neohm NTC](#)

Thermistors(21)

Customers Also Bought

TE Part #1-1393225-9
RY611012

TE Part #5747301-7
37 RCPT SP/FMS INSRT

TE Part #CAT-C339-SM1
SMD Power Resistor: 7 Watt, 200-2M Ohm

TE Part #9-1393243-3
RT425730





TE Part #6-520315-0
10 POS TRIO MATE ASSY VERT



TE Part #0915756003
LSTT-R-9.5-0



TE Part #1624349-1
NTC0805 5% 1K0



TE Part #1624361-2
NTC0805 5% 3K3



TE Part #5-1462037-5
IM41JR=IM RELAY 100mW 3V BIS

Documents

Product Drawings

NTC0805 5% 6K8

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624368-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1624368-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624368-2_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

Negative Temperature Coefficient Chip Thermistors - Type NTC Series

English