



Sensors > Temperature Sensors > NTC Thermistors Sensors & Probes > Discrete NTC > Model 45000 Series



Discrete NTC Sensor Type: **Glass Encapsulated NTC Thermistor**

Discrete NTC Package: **Glass Radial Discrete**

Wire/Cladding Connection: **32 AWG (.2mm) Gold Plated Dumet wire**

Discrete NTC Wire Length: **76 mm**

Wire Connection: **Open End**

[All Model 45000 Series \(13\)](#)

Features

Product Type Features

Discrete NTC Sensor Type	Glass Encapsulated NTC Thermistor
Tolerance β -Value	$\pm 0.5\%$

Signal Characteristics

25/85 Beta Value	3943 K
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Body Features

Wire Connection	Open End
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Dimensions

Discrete NTC Wire Length	76 mm
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Usage Conditions

Resistance (at Tref)	30 k Ω
Discrete NTC Ambient Temperature Range	-40 – 200 °C
T_ref for Resistance	25 °C
Temperature Accuracy	$\pm .2$ from 0 – 70 °C, $\pm .2$ from 0 – 70 °C
Maximum Temperature	200 °C[392 °F]

Operation/Application

Wire/Cladding Connection	32 AWG (.2mm) Gold Plated Dumet wire
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Packaging Features

Discrete NTC Package	Glass Radial Discrete
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

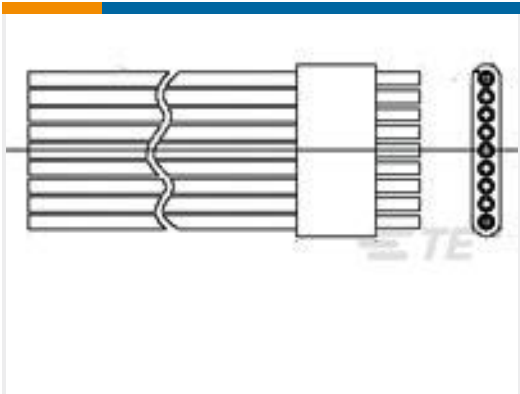
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

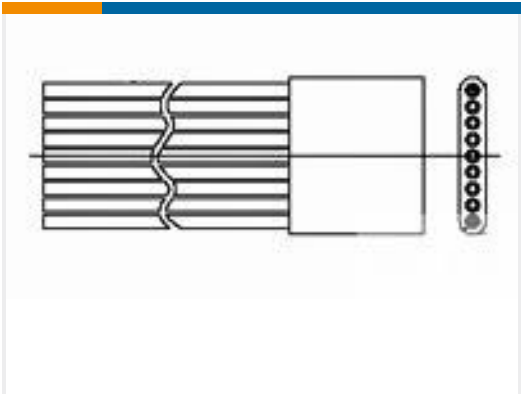
Compatible Parts



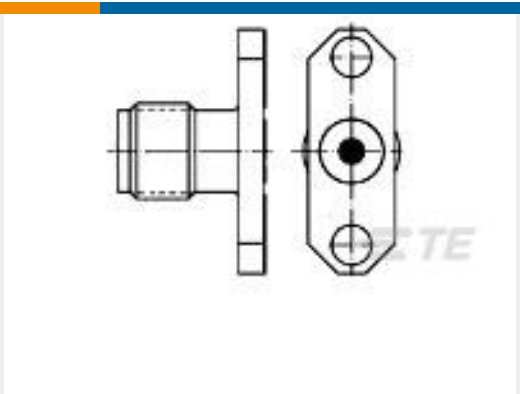
Customers Also Bought



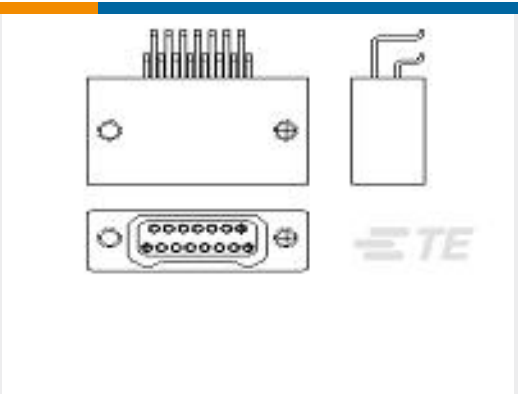
TE Model / Part #6-1589449-7
USS004SC2DCM01 = STRIP CON



TE Model / Part #5-1589448-7
USS004PC2DCM01 = STRIP CON



TE Model / Part #1060031-1
4852 3575 02, OS-29 JACK



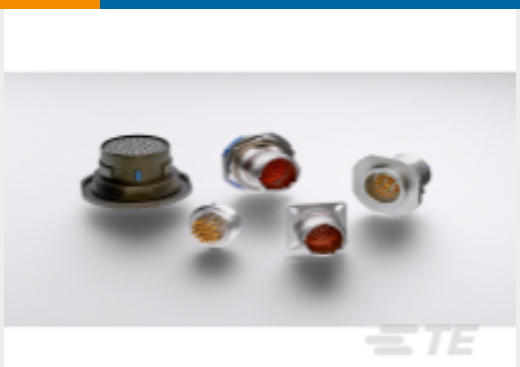
TE Model / Part #1589815-5
STM025T2HN = SMT CONN



TE Model / Part #5-102448-7
18 AMPMODU MT ASSY DR.100CL SN



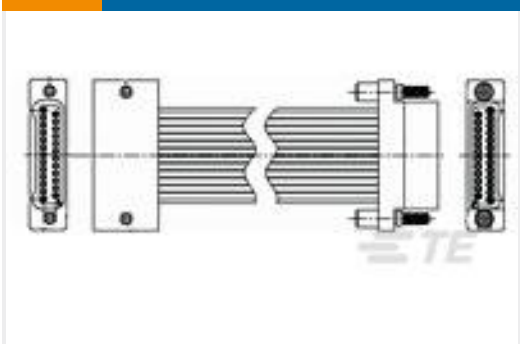
TE Model / Part #5179229-8
0.8FH,R05H.5,160,08/Sn,TU,SC



TE Model / Part #YDTS20N23-35PNV001
HERM RECP



TE Model / Part #YDTS26F15-19JNV001
PLUG ASSY



TE Model / Part #2-1589738-5
JTM009PR2DX001N = WDUALOBE



TE Model / Part #1589472-1
STG009PC2DNC70N = WDUALOBE

Documents

Datasheets & Catalog Pages

Model 45008 Datasheet

English

Model 45000 Series Datasheet

English