



Sensors > Temperature Sensors > Thermopile Infrared Digital Sensors > DIGITAL THERMOPILE SENSOR



Model Number: TSD305-2C55

Sensor Type: Digital Thermopile Component

Package: TO-5

Pixel Type: OEM Module, Single Pixel

Wire/Cladding/Connection: Metal Pin

All DIGITAL THERMOPILE SENSOR (4)

Features

Product Type Features

Model Number	TSD305-2C55
Sensor Type	Digital Thermopile Component

Electrical Characteristics

Supply Voltage	1.68 – 3.6 V
----------------	--------------

Body Features

Filter	Long Wave Pass 5.5µm
--------	----------------------

Termination Features

Wire/Cladding/Connection	Metal Pin
--------------------------	-----------

Dimensions

Wire Length	13.5 mm[.53 in]
Diameter	9.1 mm[32 – 572 in]
Length	4.4 mm[.17 in]

Usage Conditions

Ambient Temperature Range	-20 – 85 °C[-4 – 185 °F]
Object Temp. Accuracy	± 4.5 °C
Object Temperature Range	0 – 300 °C[32 – 572 °F]



Operation/Application

Output/Span Resolution	.1 °C
Output Interface	I2C

Packaging Features

Package	TO-5
---------	------

Other

Pixel Type	OEM Module, Single Pixel
Optics	Flat Window

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	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月（197） 尚未进行合规性审核
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

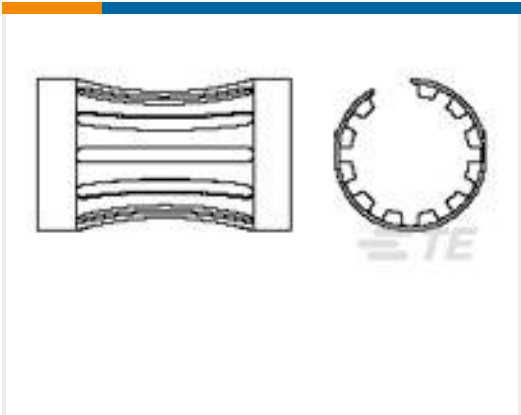
Product Compliance Disclaimer

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.

Customers Also Bought



TE Part #1648295-1
702-0107-01108=SA
CONTACT,SKT



TE Part #7-192041-4
LAIV 0.15mm(.006) GOLD



TE Part #193673-1
SKT ASSY.,CRIMP, 2MM,
12/14AWG



TE Part #644487-2
02P MTA100 SHRD HDR
ASSY 30AU



TE Part #6648228-1
CROWN,SKT,#10



TE Part #G-TPMO-025
TSEV01S01C05



TE Part #4-1630186-7
HSA50 R075 5%



TE Part #9-2176370-4
RQ 0603 4K02 0.1% 10PPM
5K RL

Documents

[Datasheets & Catalog Pages](#)

[TSD305-2C55](#)

English

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[G-TPMO-102](#)