

[Sensors > Temperature Sensors > Thermopile Infrared Sensors](#)Model Number: **TSD305-1C55**Thermopile Infrared Sensor Type: **Digital Thermopile Component**Thermopile Infrared Sensor Package: **TO-5**Thermopile Infrared Sensor Wire Length: **13.5 mm [.53 in]**Optics: **Flat Window**

Features

Product Type Features

| | |
|---------------------------------|------------------------------|
| Wire/Cladding Type | Metal Pin |
| Model Number | TSD305-1C55 |
| Thermopile Infrared Sensor Type | Digital Thermopile Component |
| Filter Type | Long Wave Pass 5.5 μ m |

Dimensions

| | |
|----------------------------------------|-----------------|
| Thermopile Infrared Sensor Wire Length | 13.5 mm[.53 in] |
| Thermopile Infrared Sensor Diameter | 9.1 mm[.36 in] |
| Thermopile Infrared Sensor Length | 4.3 mm[.53 in] |

Usage Conditions

| | |
|---------------------------|--------------------------|
| Ambient Temperature Range | -20 – 85 °C[-4 – 185 °F] |
| Target T_Object Range | 0 – 100 °C |

Packaging Features

| | |
|------------------------------------|------|
| Thermopile Infrared Sensor Package | TO-5 |
|------------------------------------|------|

Other

| | |
|-----------------------|-------------|
| Field of View X x Y | 88 ° |
| Field of View at FWHM | 88 ° |
| Optics | Flat Window |

Product Compliance

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

| | |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC |
| Halogen Content | Not Yet Reviewed for halogen content |
| Solder Process Capability | Not reviewed for solder process capability |

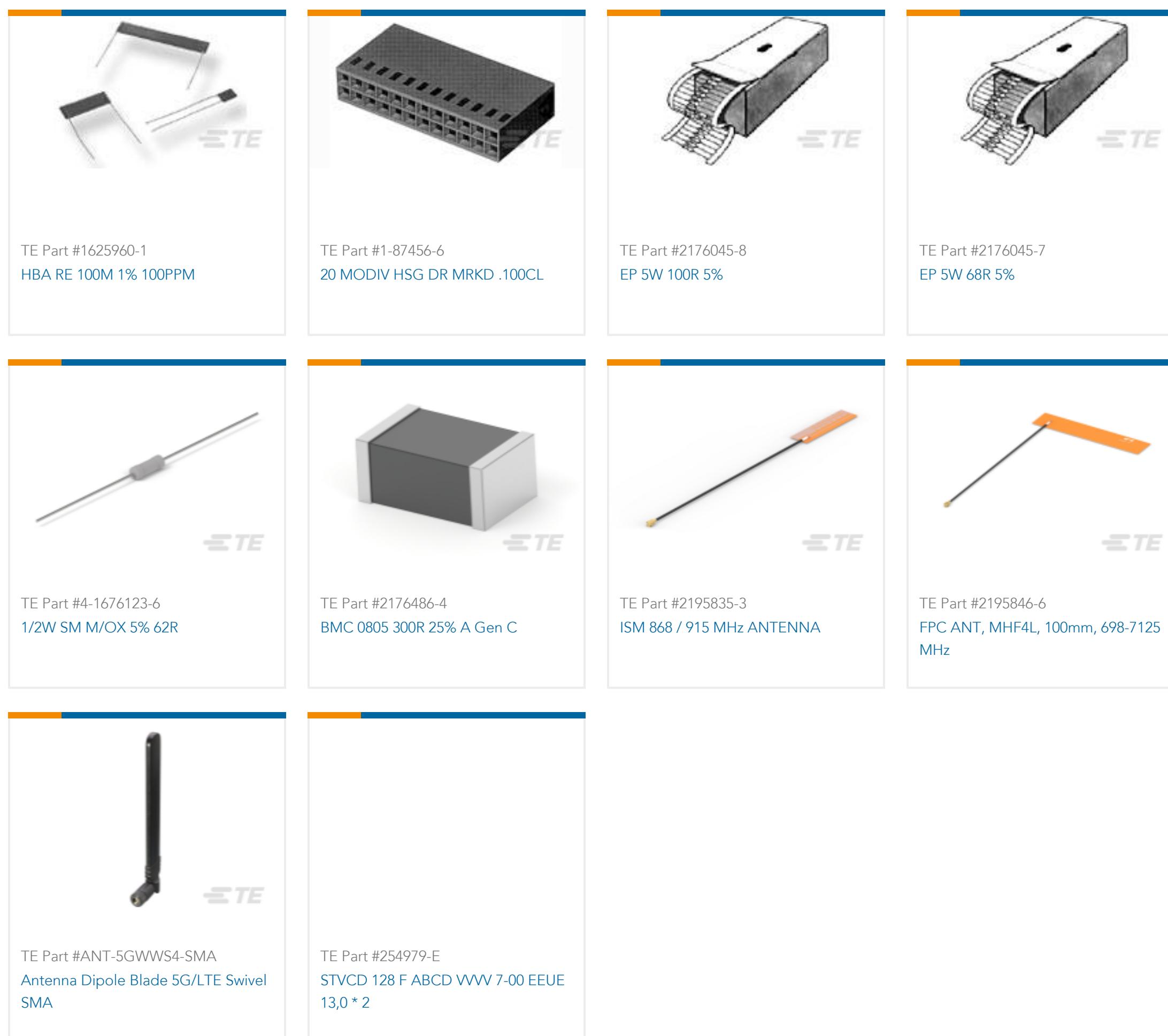
Product Compliance Disclaimer

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 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>

Also in the Series | MEAS TS



Customers Also Bought



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_G-TPMO-101_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_G-TPMO-101_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_G-TPMO-101_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[TSD305 series](#)

English