

TE Internal #: 2195835-3

Flexible PCB (FPC) Antenna, Single Band, ISM / LoRaWAN /

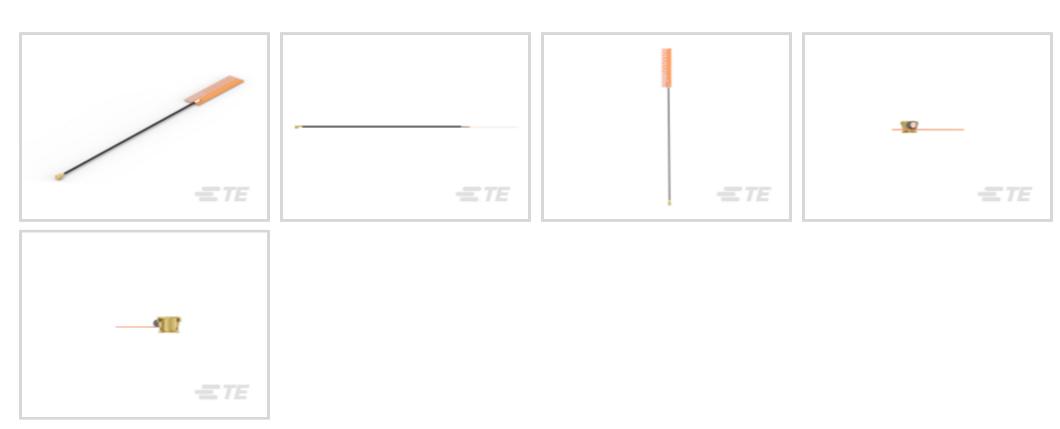
Zigbee, Internal/Embedded Mount, Adhesive Mount, MHF1 / U.FL

/ UMCC, Omnidirectional

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#### Antennas



Antenna Type: Flexible PCB (FPC)

Band Type: Single Band

Primary Application: ISM, LoRaWAN, Zigbee
Wireless Application: ISM, LoRaWAN, Zigbee
Mounting Location: Internal/Embedded

### **Features**

## Product Type Features

Antenna Termination	MHF, MHF1, U.FL, UMCC
Antenna Product Type	Antenna
Configuration Features	
Antenna Style	Flexible PCB
Antenna Type	Flexible PCB (FPC)
Band Type	Single Band
Mounting Location	Internal/Embedded
Electrical Characteristics	
Impedance	50 Ω
Antenna Operation	Passive

## Signal Characteristics

VSWR (Max)

Frequency Band	868 – 915 MHz
Gain (Max)	3.2 dB, 4.5 dB

<2.5:1



Frequency Category	698 – 960
Peak Gain	3 < 6 dBi
	3 \ 0 dbi
Body Features	
Product Weight	1 g[.35 oz]
Mechanical Attachment	
Polarization	Linear
Mounting Type	Adhesive Mount
Dimensions	
Product Width	9 mm[.354 in]
Product Length	38 mm[1.49 in]
Product Height	.19 mm[.007 in]
Cable Length	.15 m[.49 ft]
Cable Insulation Diameter (Max)	1.13 mm[.044 in]
Operation/Application	
Directionality	Omnidirectional
Industry Standards	
Primary Application	ISM, LoRaWAN, Zigbee
Wireless Application	ISM, LoRaWAN, Zigbee
Product Availability	
Applicable Region	Global
Packaging Features	
Packaging Method	Bag & Box
Other	
Precision Level	Standard

# **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	Compliant
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: JAN 2025 (247)



	Candidate List Declared Against: JAN 2021 (211)  Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not applicable 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

# **Compatible Parts**





# Customers Also Bought























### **Documents**

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2195835-3\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2195835-3\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2195835-3\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

ISM 868 / 915 MHz ANTENNA

English

## **Product Specifications**

**Product Specification** 

English