



TE Internal #: 1513156-1

PCB Antenna, Single Band, ISM / LoRaWAN / Zigbee, Internal /Embedded Mount, Surface Mount, Omnidirectional, 0 < 3 dBi Peak Gain

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Antennas



Antenna Type: **PCB**

Band Type: **Single Band**

Primary Application: **ISM, LoRaWAN, Zigbee**

Wireless Application: **ISM, LoRaWAN, Zigbee**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

Antenna Product Type	Antenna
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Configuration Features

Antenna Style	PCB
Antenna Type	PCB
Band Type	Single Band
Mounting Location	Internal/Embedded

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<2.5:1

Signal Characteristics

Frequency Band	902 – 928 MHz
Gain (Max)	1 dB
Frequency Category	902 – 930



Peak Gain	0 < 3 dBi
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Body Features

Product Weight	.9 g[.032 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	6.6 mm[.26 in]
Product Length	38.1 mm[1.5 in]
Product Height	1.57 mm[.062 in]

Operation/Application

Wireless Standard	915 ISM & ZigBee US
Directionality	Omnidirectional

Industry Standards

Primary Application	ISM, LoRaWAN, Zigbee
Wireless Application	ISM, LoRaWAN, Zigbee

Product Availability

Applicable Region	EU
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Packaging Features

Packaging Method	Bag & Box
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Other

Precision Level	Standard
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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: JUL 2019 (201) Does not contain REACH SVHC



Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°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 # 2336713-2
SPRING FINGER 1.45H

TE Part # 2040852-1
SHIELD FINGER 0820 N-B WITH SE

TE Part # 2306334-3
SPRING FINGER 1.2H

TE Part # 2306454-3
SPRING FINGER 2.3H

TE Part # 1447009-5
SHIELD FINGER 0820 TYPE

TE Part # 2199248-4
Shield Finger, Loose Piece, Type A, 1.0 h

TE Part # 2199248-5
SHIELD FINGER, LOOSE PIECE, TYPE A, 1.3H

TE Part # 2306654-3
SPRING FINGER 1.8H

TE Part # 2199001-1
SHIELD FINGER 1210 EMBOSS
PACKING

Customers Also Bought



TE Part #1838893-1
M12 Mtl MALE PNL CONN. Sldr Re

TE Part #9-1437565-9
FSMRACD=R/A,TACTILE,PB SWITCH

TE Part #NB14254001
VERSAFIT-1-0-FSP

TE Part #FTRA6971M6PBN-001
OMNI,PH,PMT,698-7125MHz

TE Part #2176342-7
CRGCQ 0805 10R 5%

TE Part #1622829-1
CRG0603 1% 10K

TE Part #1513168-1
PCB Antenna Single Band

TE Part #CAT-HST-DWP125
DWP-125 Heat Shrink Tubing

TE Part #2015357-4
C/A, UMCC/UMCC, 1.37 OD CABLE,
200MM LON

Documents

Product Drawings
PCB ANTENNA TAPE & REELED PACKED
English

CAD Files
Customer View Model
ENG_CVM_CVM_1513156-1_J.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1513156-1_J.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_1513156-1_J.2d_dxf.zip
English
3D PDF
3D

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

Datasheets & Catalog Pages



PCB ANTENNA

English

Product Specifications

Product Specification

English