TE Internal #: L000576-01

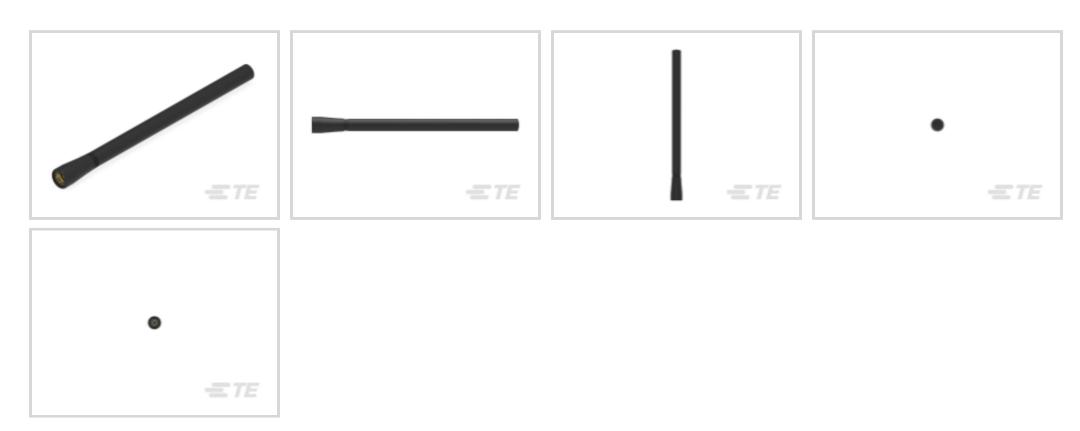
Helical Antenna, Single Band, LPWAN, External Mount, Connector

Mount, SMA, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain

View on TE.com >



Antennas



Antenna Type: Helical
Band Type: Single Band

Primary Application: LPWAN
Wireless Application: LPWAN
Mounting Location: External

Features

Product Type Features

Antenna Termination SMA	
Antenna Product Type Antenna	

Configuration Features

Antenna Style	Whip
Antenna Type	Helical
Band Type	Single Band
Mounting Location	External
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<2.4:1

Signal Characteristics

Frequency Band	698 – 803 MHz
Gain (Max)	3.1 dB



Frequency Category	617 – 960
Peak Gain	3 < 6 dBi
Body Features	
Product Weight	10 g[.353 oz]
Mechanical Attachment	
Polarization	Linear
Mounting Type	Connector Mount
Dimensions	
Product Diameter	10.7 mm[.421 in]
Product Length	135.9 mm[5.35 in]
Operation/Application	
Antenna Environment	Indoor
Wireless Standard	Cellular
Directionality	Omnidirectional
Industry Standards	
Primary Application	LPWAN
Wireless Application	LPWAN
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 with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247)



SVHC > Threshold:

Pb (4% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per
homogenous material. Also BFR/CFR/PVC
Free

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













Documents

Product Drawings

ANTENNA, 5GL CW-HW TYPE WHIP -SMA



English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L000576-01_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L000576-01_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L000576-01_1.3d_stp.zip

English

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

Datasheets & Catalog Pages

Data Sheet for LTE Band 28 External Whip antenna

English

Product Specifications

Product Specification

English