# ANT-916-CW-RH-SMA V ACTIVE

TE Internal #: ANT-916-CW-RH-SMA Whip Antenna, Single Band, LoRaWAN / LPWAN, External Mount,

Connector, SMA, Omnidirectional, Single Port, Gain < 0 dBi

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#### Antennas



Wireless Application: LoRaWAN, LPWAN, Wi-Fi

Mounting Location: External
Mounting Type: Connector
Antenna Termination: SMA

## **Features**

## **Product Type Features**

Antenna Type: Whip

Antenna Termination	SMA
Configuration Features	
Antenna Style	Whip
Mounting Location	External
Antenna Type	Whip
Band Type	Single Band
Port Configuration	Single Port
Electrical Characteristics	
VSWR (Max)	<1.9:1
Impedance	50 Ω
Signal Characteristics	
Frequency Band	915 MHz
Nominal Frequency Range	902 – 930
Peak Gain	< 0 dBi
Body Features	
Product Weight	6.01 g[.21199 oz]

Linear

Mechanical Attachment

Polarization



Mounting I	lype	Connector

#### **Dimensions**

Product Width	8.5 mm[.33 in]
Product Length	51 mm[2.01 in]
Product Height	0 mm[0 in]

#### Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional
Industry Standards	
Wireless Application	LoRaWAN, LPWAN, Wi-Fi

# Primary Application LoRaWAN, LPWAN

## **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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)  Candidate List Declared Against: JUNE 2023 (235)  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 Bromine/Chlorine - Br and Cl < 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**



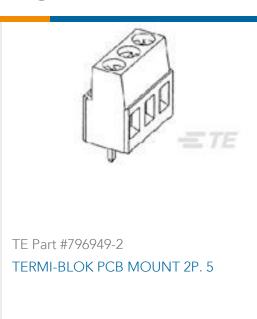






## Customers Also Bought





















#### **Documents**

**Product Drawings** 

Antenna 1/4 Wave Short 916MHz SMA

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English

Datasheets & Catalog Pages

ANT-916-CW-RH

English