

# ANT-916-PW-LP ✓ ACTIVE

TE Internal #: ANT-916-PW-LP

Terminal/Duck Antenna, Single Band, LoRaWAN / LPWAN,  
External Mount, Stud/Screw/Lug Mount, M5, Omnidirectional,  
Single Port, Gain 0 < 3 dBi

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## Antennas



Wireless Application: **LoRaWAN, LPWAN, Wi-Fi**

Mounting Location: **External**

Mounting Type: **Stud/Screw/Lug Mount**

Frequency Category: **902 – 930**

Antenna Type: **Terminal/Duck**

## Features

### Product Type Features

Antenna Termination	M5
Antenna Product Type	Antenna

### Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Single Band
Port Configuration	Single Port

### Electrical Characteristics

VSWR (Max)	<1.9:1
Impedance	50 $\Omega$

### Signal Characteristics

Gain (Max)	2.4 dB
Frequency Band	915 MHz
Frequency Category	902 – 930
Peak Gain	0 < 3 dBi

### Body Features

Product Weight	6.26 g [.22081 oz]
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### Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

### Dimensions

Product Width	10.4 mm[.41 in]
Product Length	50.5 mm[1.99 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 2024 (241) Not Yet Reviewed
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



TE Part # ANT-916-CHP-T  
Antenna Chip 916MHz SMT T&R



TE Part # ANT-916-JJB-RA  
Antenna Mini R-Angle 916MHz THM

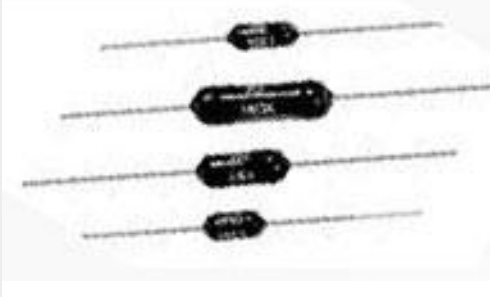


TE Part # ANT-916-JJB-ST  
Antenna Mini Straight 916MHz THM

## Customers Also Bought



TE Part #1-640389-2  
12P MTA156 HDR ASSY SQ R/A F/L



TE Part #9-1879662-7  
H8 100R 0.1% 15PPM



TE Part #ANT-916-HETH  
Antenna 1/4 Wave Coil 868MHz THM



TE Part #ANT-433-PW-LP  
Antenna 1/4 Wave 433MHz Screw #10



TE Part #ANT-868-CW-HW  
Antenna 1/2 Wave Whip 868MHz RPS



TE Part #ANT-868-PW-LP  
Antenna 1/4 Wave 868MHz Screw #10



TE Part #ANT-915-NUB-RPS  
Antenna Short 915 RPS Plug



TE Part #ANT-915-NUB-SMA  
Antenna Short 915 SMA Plug



TE Part #HUM-900-PRO-CAS  
Module HUM-PRO 900MHz FHSS FM XCVR FCC

## Documents

### Product Drawings

[Antenna 1/4 Wave 916MHz Screw #10](#)

English



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**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_ANT-916-PW-LP\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_ANT-916-PW-LP\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_ANT-916-PW-LP\\_A.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[ANT-916-PW-LP](#)

English