

ANT-916-ID-1000-SMA

✓ ACTIVE

TE Internal #: L9000158-01

Terminal/Duck Antenna, Single Band, LoRaWAN / LPWAN, Remote Mount, Pole/Mast/Bracket Mount, SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi

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Antennas



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

Mounting Location: **Remote**

Mounting Type: **Pole/Mast/Bracket Mount**

Antenna Termination: **SMA**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Product Type	Antenna
Antenna Termination	SMA

Configuration Features

Antenna Style	Dipole
Mounting Location	Remote
Antenna Type	Terminal/Duck
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<1.9:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	1.6 dB
Frequency Band	915 MHz
Nominal Frequency Range	902 – 930
Peak Gain	0 < 3 dBi

Mechanical Attachment

Polarization	Linear
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Mounting Type	Pole/Mast/Bracket Mount
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Dimensions

Cable Length	1 m[3.28 ft]
Product Width	31.2 mm[1.23 in]
Product Length	124.6 mm[4.91 in]
Product Height	11.9 mm[.47 in]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	LoRaWAN, LPWAN, Wi-Fi
Primary Application	LoRaWAN, LPWAN

Product Compliance

For compliance documentation, visit the product page on TE.com>

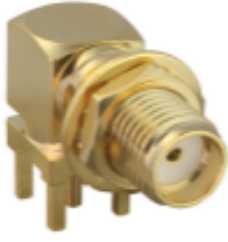
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

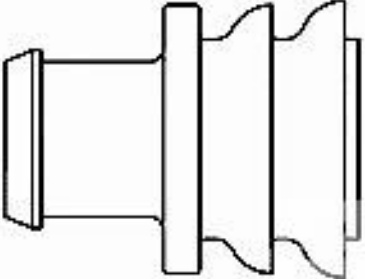
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # CON SMA001 SMA Jack 50 Ohm PCB Through Hole	 TE Part # CON SMA002-L-G SMA Jack 50 Ohm PCB Through Hole	 TE Part # CON SMA002-SMD-G SMA Jack 50 Ohm PCB Surface Mount	 TE Part # CON SMA008-G SMA Jack 50 Ohm Through Hole PCB
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Customers Also Bought

 TE Part #DT04-2P REC, 2P, GRY, N	 TE Part #DT06-2S PLG, 2P, GRY, N	 TE Part #W2S Wedgelocks: DEUTSCH DT	 TE Part #0460-202-16141 DEUTSCH Solid Contacts
 TE Part #282104-1 AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING	 TE Part #281934-2 SINGLE WIRE SEAL	 TE Part #114017-ZZ SEALING PLUG, SIZE 12/16, WHT	

Documents

Product Drawings

ANTENNA IND DIPOLE 916MHZ RG58 1M RPS

English

Datasheets & Catalog Pages

Sub-6 Cellular LTE-5G NR Frequency Band Guide

English

ANT-916-ID

English

Virtual Antenna

English

Microsplatck Ground Plane Optimization

English