ANT-868-CW-HW - ACTIVE

TE Internal #: ANT-868-CW-HW Whip Antenna, Single Band, LPWAN / LoRaWAN, External Mount, Connector, RP-SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi View on TE.com >



Antennas



Wireless Application: LoRaWAN, LPWAN, Wi-Fi

Mounting Location: External

Mounting Type: Connector

Antenna Termination: **RP-SMA**

Antenna Type: Whip

Features

Product Type Features

Antenna Termination RP-SMA **Configuration Features** Antenna Style Whip

Mounting Location

Extornal

Mounting Location	External
Antenna Type	Whip
Band Type	Single Band
Port Configuration	Single Port
Electrical Characteristics	
VSWR (Max)	<2.1:1
Impedance	50 Ω
Signal Characteristics	
Gain (Max)	0 dB
Frequency Band	868 MHz
Nominal Frequency Range	862 - 870
Peak Gain	0 < 3 dBi
Body Features	
Product Weight	13.09 g[.46172 oz]
Mechanical Attachment	

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Polarization	Linear			
Mounting Type	Connector			
Dimensions				
Product Width	10.7 mm[.42 in]			
Product Length	135.5 mm[5.33 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

EU ELV Directive 2000/53/EC

Compliant with Exemptions

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

Not reviewed for solder process capability

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

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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 # CONREVSMA001-G RP-SMA Jack 50 Ohm PCB Through Hole



TE Part # CONREVSMA002-SMD-G RP-SMA RA Jack 50 Ohm PCB Surface Mount

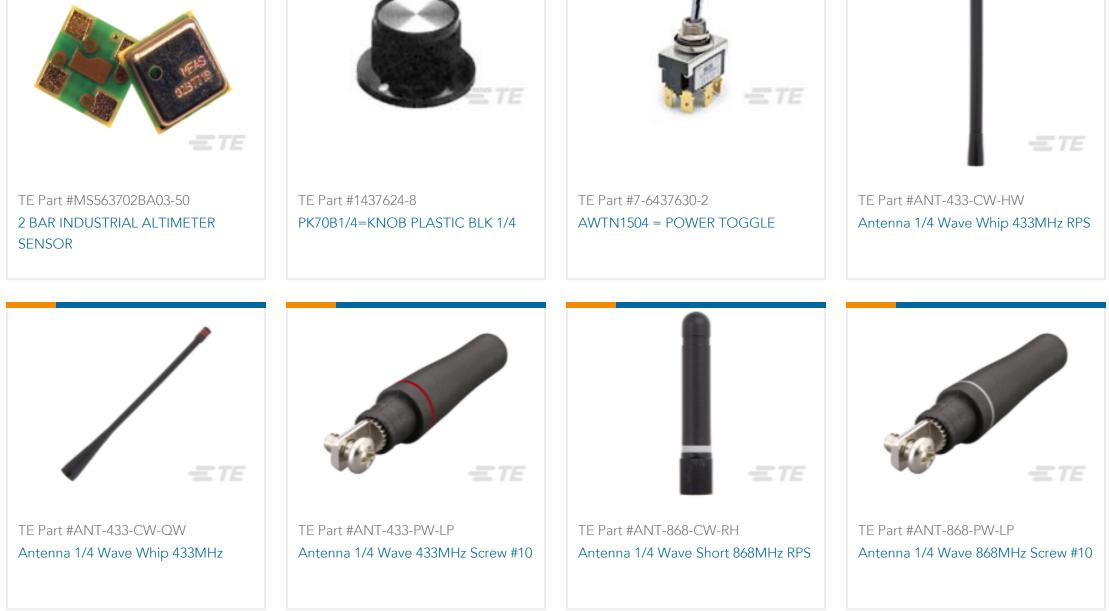


TE Part # L9000251-01 RP-SMA Jack 50 Ohm .062 PCB Edge Mount





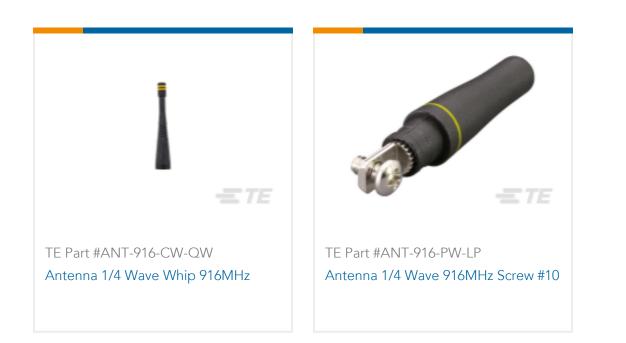
Customers Also Bought



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Documents

Product Drawings Antenna 1/2 Wave Whip 868MHz RPS

English

Datasheets & Catalog Pages ANT-868-CW-HW

English