ANT-1.4-CW-HW ✔ ACTIVE

TE Internal #: L9000009-01

Terminal/Duck Antenna, Single Band, Cellular, External Mount, Stud /Screw/Lug Mount, RP-SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi

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Antennas



Wireless Application: **Cellular**

Mounting Location: **External**

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

Frequency Category: **1164 - 1610**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	RP-SMA
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)	<2.1:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	.7 dB
Frequency Band	1400 MHz
Frequency Category	1164 - 1610
Peak Gain	0 < 3 dBi

Body Features

Product Weight	11.77 g[.41516 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Width	10.7 mm[.42 in]
Product Length	120 mm[4.72 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Wireless Application	Cellular
Primary Application	Cellular

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: JAN 2024 (240)
	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 # CONREVSMA001-G
RP-SMA Jack 50 Ohm PCB Through Hole



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

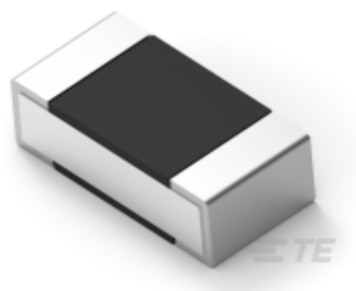


TE Part # L9000251-01
RP-SMA Jack 50 Ohm .062 PCB Edge Mount



TE Part # L9000254-01
RP-SMA Jack 50 Ohm .031 PCB Edge Mount

Customers Also Bought



TE Part # 9-2176305-4
RP 1E 0.1W 1K0 0.1% 25PPM 5K RL



TE Part # L9000011-01
Antenna 1/2 Wave Whip Swivel 1.4 GHz SMA



TE Part # ANT-B20-CW-QW-SMA
Antenna 1/4 Wave Whip LTE B20 SMA



TE Part # ANT-LTE-MON-SMA-E
Antenna MON-E LTE/GPS Swivel SMA

Documents

Product Drawings

Antenna 1/2 Wave Whip 1.4GHz RPS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000009-01_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L9000009-01_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L9000009-01_A1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

ANT-1.4-CW-HW

English

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

English

Virtual Antenna

English

Microsplatch Ground Plane Optimization

English