

ANT-2.4-ID-1000-SMA

✓ ACTIVE

TE Internal #: L9000076-01

Terminal/Duck Antenna, Single Band, Bluetooth / ISM / Zigbee,
Remote Mount, Pole/Mast/Bracket Mount, SMA, Omnidirectional,
Single Port, Gain 3 < 6 dBi

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Antennas



Wireless Application: **Bluetooth, ISM, Zigbee**

Mounting Location: **Remote**

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

Frequency Category: **2400 - 2500**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
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)	3 dB
Frequency Band	2400 - 2485 MHz
Frequency Category	2400 - 2500
Peak Gain	3 < 6 dBi

Mechanical Attachment

Polarization	Linear
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Mounting Type

Pole/Mast/Bracket Mount

Dimensions

Cable Length

1 m[3.28 ft]

Product Width

31.2 mm[1.23 in]

Product Length

119.4 mm[4.7 in]

Product Height

12.4 mm[.49 in]

Operation/Application

Directionality

Omnidirectional

Industry Standards

Wireless Application

Bluetooth, ISM, Zigbee

Primary Application

Bluetooth, ISM, Zigbee

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)

Candidate List Declared Against: JAN 2024
(240)

SVHC > Threshold:

Pb (3.42% 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 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 # CONSMA001
SMA Jack 50 Ohm PCB Through Hole



TE Part # CONSMA002-L-G
SMA Jack 50 Ohm PCB Through Hole

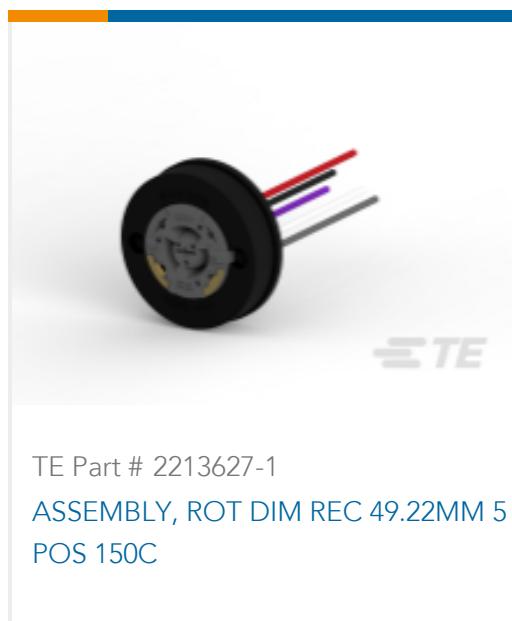


TE Part # CONSMA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount



TE Part # CONSMA008-G
SMA Jack 50 Ohm Through Hole PCB

Customers Also Bought



TE Part # 2213627-1
ASSEMBLY, ROT DIM REC 49.22MM 5
POS 150C



TE Part # 5-1437624-0
PKES60B1/4-KNOB PLSTC FLUTED W



TE Part # 2213626-1
GASKET, SEALING ROT DIM RECEPT



TE Part # 4-794620-4
14P MICRO MNL ASSY,R/A,HDR,LF



TE Part # 2329497-2
SPRING FINGER 1.15H



TE Part # L9000097-01
Antenna 1/4 Wave Whip 2.4GHz
RG178 UFL



TE Part # L9000151-01
ANTENNA IND DIPOLE 868MHz
RG58 2M RPS



TE Part # L9000234-01
Antenna WiFi 2.4/5/6 GHz RPC UFL
100



TE Part # RD2458-5-OTDR-NM
Dipol,RDuck,FIXED,NM 2400-
5850MHz,5dBi,O



TE Part # TRA24003P
OMNI,Ph,2400-2500MHz 3,P MT

Documents

Product Drawings

ANTENNA IND DIPOLE 2.4GHZ RG58 1M RPS

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_L9000076-01_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000076-01_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000076-01_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Sub-6 Cellular LTE-5G NR Frequency Band Guide](#)

English

[ANT-2.4-ID](#)

English

[Virtual Antenna](#)

English

[Microsplatich Ground Plane Optimization](#)

English