

ANT-2.4-CW-RCT-SS ✓ ACTIVE

TE Internal #: L9000032-01

Whip Antenna, Single Band, ISM / Bluetooth / Zigbee, External Mount, Connector, SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi

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Antennas



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

Mounting Location: **External**

Mounting Type: **Connector**

Antenna Termination: **SMA**

Antenna Type: **Whip**

Features

Product Type Features

| | |
|---------------------|-----|
| Antenna Termination | SMA |
|---------------------|-----|

Configuration Features

| | |
|--------------------|-------------|
| Antenna Style | Whip |
| Mounting Location | External |
| Antenna Type | Whip |
| Band Type | Single Band |
| Port Configuration | Single Port |

Electrical Characteristics

| | |
|------------|--------|
| VSWR (Max) | <1.9:1 |
| Impedance | 50 Ω |

Signal Characteristics

| | |
|-------------------------|-----------------|
| Gain (Max) | 2.2 dB |
| Frequency Band | 2400 – 2485 MHz |
| Nominal Frequency Range | 2400 – 2500 |
| Peak Gain | 0 < 3 dBi |

Body Features

| | |
|----------------|--------------------|
| Product Weight | 10.75 g[.37918 oz] |
|----------------|--------------------|



Mechanical Attachment

| | |
|---------------|-----------|
| Polarization | Linear |
| Mounting Type | Connector |

Dimensions

| | |
|----------------|-----------------|
| Product Width | 10 mm[.39 in] |
| Product Length | 113 mm[4.45 in] |
| Product Height | 0 mm[0 in] |

Operation/Application

| | |
|---------------------|-----------------|
| Antenna Environment | Outdoor |
| 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: 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 # 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



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

Customers Also Bought



TE Part # 2301844-1
AMPL REC HD20, R/A, 9P, B/L,4-40 INS



TE Part # 1-2176088-8
RP 1J 0.166W 1K13 0.1% 25PPM 1K RL



TE Part # 2301843-1
AMPL PLUG HD20, R/A, 9P, B/L,4-40 INS



TE Part # L9000024-01
Antenna 1/2 Wave Whip 2.4GHz SMA INS



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



TE Part # ANT-868-CW-QW-SMA
Antenna 1/4 Wave Whip 868MHz SMA



TE Part # ANT-916-CW-HW-SMA
Antenna 1/2 Wave Whip 916MHz SMA



TE Part # ANT-916-CW-HWR-SMA
Antenna 1/2 Wave Whip Swivel 916MHz SMA



Documents

Product Drawings

[Antenna 1/2 Wave Swivel 2.4GHz SMA](#)

English

Datasheets & Catalog Pages

[ANT-2.4-CW-RCT-xx](#)

English