

# ANT-2.4-WRT-MON-RPS ✓ ACTIVE

TE Internal #: L9000105-01

Dome/Puck Antenna, Single Band, ISM / Zigbee / Bluetooth,  
External Mount, Panel, RP-SMA, Omnidirectional, Single Port, Gain  
0 < 3 dBi

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## Antennas



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

Mounting Location: **External**

Mounting Type: **Panel**

Antenna Termination: **RP-SMA**

Antenna Type: **Dome/Puck**

## Features

### Product Type Features

Antenna Product Type	Antenna
Antenna Termination	RP-SMA

### Configuration Features

Antenna Style	Dome
Mounting Location	External
Antenna Type	Dome/Puck
Band Type	Single Band
Port Configuration	Single Port

### Electrical Characteristics

VSWR (Max)	<1.9:1
Impedance	50 $\Omega$

### Signal Characteristics

Gain (Max)	.8 dB
Frequency Band	2400 – 2485 MHz
Nominal Frequency Range	2400 – 2500
Peak Gain	0 < 3 dBi

### Body Features

Product Weight	19.59 g [.691 oz]
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**Mechanical Attachment**

Polarization	Linear
Mounting Type	Panel

**Dimensions**

Cable Length	.21 m[.71 ft]
Product Width	19 mm[.75 in]
Product Length	26.8 mm[1.06 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
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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 # 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 #5-1971773-4  
PTL 1X4 PLUG HSG HIGH TEMP KEY A LGR



TE Part #5-1971772-4  
PTL 1X4 CAP PANEL MT HITEMP KEY A LGR



TE Part #1971781-2  
Receptacle Contact — POWER TRIPLE LOCK



TE Part #1971782-2  
Tab Contact — POWER TRIPLE LOCK



TE Part #1971777-4  
PTL TPA HIGH TEMP 1 x 4 BLACK



TE Part #42281-1  
FF 250 REC 18-14AWG BR



TE Part #T4081112003-000  
M8 Y DISTRIBUTOR MALE 3POS



TE Part #1011-027-0805  
CLIP, PA66, GRY, 5.08MM HOLE, ST, DT8PIN

## Documents

### Product Drawings

[Antenna 2.45GHz WRT Monopole RPS](#)

English

### Datasheets & Catalog Pages

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

English

[2.4 GHz WiFi External Panel-Mount Antenna](#)



English