

ANT-868-OC-LG-RPS ✓ ACTIVE

TE Internal #: ANT-868-OC-LG-RPS

Whip Antenna, Single Band, LoRaWAN / LPWAN, External Mount, Connector, RP-SMA, Omnidirectional, Single Port, Gain 0 < 3 dBi

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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 | External |
| Antenna Type | Whip |
| Band Type | Single Band |
| Port Configuration | Single Port |

Electrical Characteristics

| | |
|------------|-------------|
| VSWR (Max) | <2.3:1 |
| Impedance | 50 Ω |

Signal Characteristics

| | |
|-------------------------|-----------|
| Frequency Band | 868 MHz |
| Nominal Frequency Range | 862 – 870 |
| Peak Gain | 0 < 3 dBi |

Body Features

| | |
|----------------|-----------------|
| Product Weight | 15 g [.5291 oz] |
|----------------|-----------------|

Mechanical Attachment

| | |
|--------------|--------|
| Polarization | Linear |
|--------------|--------|



Mounting Type

Connector

Dimensions

Product Width

10 mm[.39 in]

Product Length

193.5 mm[7.62 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

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 # CONREVSMA008-G
RP-SMA Jack 50 Ohm PCB Through Hole

Customers Also Bought



TE Part #5-1415899-0
RZ03-1A3-D024



TE Part #1734592-8
FPC CONN. 0.5MM PITCH B/C, 8P



TE Part #4-2176342-0
CRGCQ 0805 3M3 5%



TE Part #1745083-1
3 POS. PLUG ASSY AMP SUPERSEAL 1.5 SRS



TE Part #1217169-1
250 FASTON,PCB TAB,TCBR



TE Part #ANT-868-OC-LG-SMA
Antenna Straight Whip 868MHz Swivel SMA



TE Part #L9000266-01
SMA Jack 50 Ohm .062 PCB Edge Mount



TE Part #CONSMA007-G
SMA Plug 50 Ohm Cable Crimp

Documents

Product Drawings

[Antenna Straight Whip 868MHz Swivel RPS](#)

English

Datasheets & Catalog Pages

[868 MHz LPWA Antenna](#)

English

