

# ANT-5GMWS1-SMA ✓ ACTIVE

TE Internal #: ANT-5GMWS1-SMA

Terminal/Duck Antenna, Multi Band, 5G / Cellular / LTE, External Mount, Stud/Screw/Lug Mount, SMA, Omnidirectional, Single Port, Gain 3 < 6 dBi

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## Antennas



Wireless Application: **5G, Cat-M/NB-IoT, Cellular, LTE**

Mounting Location: **External**

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

Frequency Category: **2400 – 5950**

Antenna Type: **Terminal/Duck**

## Features

### Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

### Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Multi Band
Port Configuration	Single Port

### Electrical Characteristics

VSWR (Max)	<1.7:1
Impedance	50 Ω

### Signal Characteristics

Gain (Max)	5.9 dB
Frequency Band	3300 – 3800 MHz, 3300 – 3800 MHz
Frequency Category	2400 – 5950
Peak Gain	3 < 6 dBi

### Body Features

Product Weight	20.8 g[.73368 oz]
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### Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

### Dimensions

Product Width	21.9 mm[.86 in]
Product Length	208.6 mm[8.21 in]
Product Height	11.5 mm[.45 in]

### Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

### Industry Standards

Wireless Application	5G, Cat-M/NB-IoT, Cellular, LTE
Primary Application	5G, Cellular, LTE

### 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 2024 (241) 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 # 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



TE Part # L000810-01  
SPLATCH CBRS/5G MIDBAND CHIP ANT, 2.5-5G

## Customers Also Bought



TE Part #5177985-4  
0.8FH,R05H.5,100,08/Sn,TR,SC



TE Part #5177986-4  
0.8FH,P05H.5,100,08/Sn,TR,SC



TE Part #2-1393203-4  
V23148-A0107-A101



TE Part #ADP-SMAM-SMBF-G  
SMA Plug to SMB Jack



TE Part #L9000028-01  
Antenna 1/2 Wave R-Angle 2.4GHz SMA



TE Part #ANT-5GMWP1-SMA  
Antenna Whip 5G/CBRS Swivel SMA



TE Part #ANT-5GWWS1-SMA  
Antenna Dipole Blade 5G/LTE Swivel SMA



TE Part #ANT-5GWWS4-SMA  
Antenna Dipole Blade 5G/LTE Swivel SMA



## Documents

### Product Drawings

[Antenna Blade 5G/CBRS Swivel SMA](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_ANT-5GMWS1-SMA\\_A.3d\\_stp.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_ANT-5GMWS1-SMA\\_A.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_ANT-5GMWS1-SMA\\_A.3d\\_igs.zip](#)

English

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

### Datasheets & Catalog Pages

[Sub-6 Midband and CBRS 5G Antenna](#)

English