

ANT-5GWWS1-SMA

✓ ACTIVE

TE Internal #: ANT-5GWWS1-SMA
Blade Antenna, Wide Band, 5G / Cellular / LTE, External Mount,
Stud/Screw/Lug Mount, SMA, Omnidirectional, Single Port, 3 < 6
dBi Peak Gain
[View on TE.com >](#)



Antennas



Communication Protocol: 5G, Cat-M/NB-IoT, Cellular, LTE
Mounting Location: External
Mounting Type: Stud/Screw/Lug Mount
Frequency Category: 617 – 6000
Antenna Type: Blade

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Blade
Band Type	Wide Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<3:1

Signal Characteristics

Frequency Band	617 – 698 MHz
Gain (Max)	.7 dB
Frequency Category	617 – 6000
Peak Gain	3 < 6 dBi

Body Features

	.526 oz
--	---------



Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Width	20.1 mm[.79 in]
Product Length	135.7 mm[5.34 in]
Product Height	10 mm[.39 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	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	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (4% 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	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # CONSMA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount

TE Part # CONSMA001
SMA Jack 50 Ohm PCB Through Hole

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

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

Customers Also Bought

TE Part #MD24-12
Dir,Mini,Fixed,NF 2400-2485MHz,
11dBi,BW6

TE Part #ANT-W63WS2-RPS
Antenna Blade Wifi6/6E Swivel RPS

TE Part #42100-2
FF 250 REC 18-14AWG TPBR

TE Part #174977-2
Q40 MLC CAP ASSY V 20P

TE Part #5-1437652-4
6PCV-03-006=6PCV ASSEMBLY

TE Part #1-1478908-0
SMA STR PLG S/CLMP RG174 GSS

TE Part #1-1734248-5
1.0 FPC, ZIF V/T, SMT, 15P

TE Part #2032439-1
RF CA,UMCC1 TO SMA PLUG,1.37
MM,L200MM

TE Part #2098978-1
52 POSITION HYBRID VERTICAL HE

TE Part #2480661-6
SMA M to SMA M Str Hand Formable.
086 8"



Documents

Product Drawings

Antenna Dipole Blade 5G/LTE Swivel SMA

English

CAD Files

Customer View Model

ENG_CVM_CVM_ANT-5GWWS1-SMA_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-5GWWS1-SMA_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-5GWWS1-SMA_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

Cellular Sub-6 5G Antenna

English