

ANT-5GW-SPS1-1

✓ ACTIVE

TE Internal #: ANT-5GW-SPS1-1
Dome/Puck Antenna, Wide Band, 5G / Cellular / LTE, External
Mount, Stud/Screw/Lug Mount, Solder, Omnidirectional, Single
Port, 3 < 6 dBi Peak Gain
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Antennas



Communication Protocol: 5G, Cat-M/NB-IoT, Cellular, LTE, Vehicular
Mounting Location: External
Mounting Type: Stud/Screw/Lug Mount
Frequency Category: 410 – 470, 617 – 6000
Antenna Type: Dome/Puck

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

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

Signal Characteristics

Frequency Category	410 – 470, 617 – 6000
Peak Gain	3 < 6 dBi

Mechanical Attachment

Mounting Type	Stud/Screw/Lug Mount
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Operation/Application

Directionality	Omnidirectional
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Industry Standards

Communication Protocol	5G, Cat-M/NB-IoT, Cellular, LTE, Vehicular
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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # CONSMSA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount

TE Part # CONSMSA001
SMA Jack 50 Ohm PCB Through Hole

TE Part # CONSMSA008-G
SMA Jack 50 Ohm Through Hole PCB

TE Part # CONSMSA002-L-G
SMA Jack 50 Ohm PCB Through Hole

Customers Also Bought

ANT-5GW-SPS1-1

Dome/Puck Antenna, Wide Band, 5G / Cellular / LTE, External Mount, Stud/Screw /Lug Mount, Solder, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain





TE Part #ANT-DB1-WRT-SMA
Antenna Dome WiFi6 2.4/5.8GHz
RG174 SMA



TE Part #ANT-433-CW-RH-SMA
Antenna 1/4 Wave Short 433MHz SMA



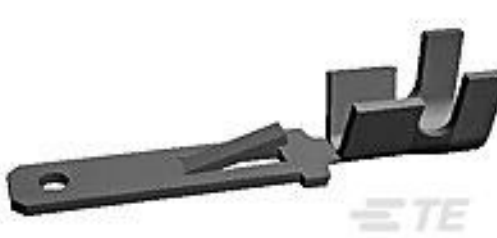
TE Part #ANT-916-WRT-RPS
Antenna Dome Compact 916MHz
RG174 RPS



TE Part #L000320-01
OMNI,2x2 MIMO BATON,617-960
/1427-6000MHz



TE Part #6-160449-5
FF 250 REC 1.0-2.5MM2 TPBR LP



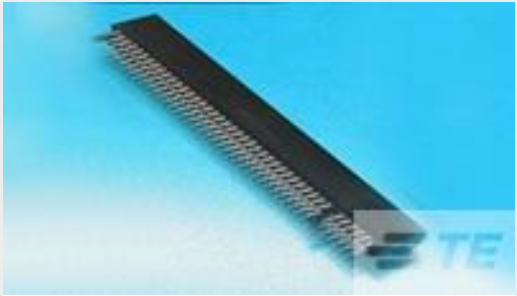
TE Part #160450-2
FF 250 TAB 18-14AWG TPPB



TE Part #4-1415899-9
RZ03-1A3-D012



TE Part #1546306-8
8P .374" DR BARRIER STRIP



TE Part #5530843-8
CONN SEC II 36 POS 100C/L



TE Part #L9000106-01
Antenna 2.45GHz WRT Monopole SMA

Documents

Product Drawings

Antenna 5G LTE IP67 Puck RG174 1M SMA

English

CAD Files

Customer View Model

ENG_CVM_CVM_ANT-5GW-SPS1-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-5GW-SPS1-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_ANT-5GW-SPS1-1_A.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages



Panel Mount 5G/LTE Antenna

English

Product Specifications

Product Specification

English

Agency Approvals

CE Declaration of Conformity

English