

ANT-LTE-VDP-2000-SMA

✓ ACTIVE

TE Internal #: L9000176-01

Module Antenna, Wide Band, Cellular / LTE, Remote Mount, Adhesive Mount, SMA, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain

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Antennas



Antenna Type: **Module**

Band Type: **Wide Band**

Primary Application: **Cellular, LTE**

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

Mounting Location: **Remote**

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Antenna Type	Module
Band Type	Wide Band
Mounting Location	Remote
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<1.7:1

Signal Characteristics

Frequency Band	698 – 960 MHz
Gain (Max)	4.5 dB
Frequency Category	617 – 6000
Peak Gain	3 < 6 dBi

Body Features

Product Weight	49 g[1.72839 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Adhesive Mount

Dimensions

Product Width	22 mm[.87 in]
Product Length	115 mm[4.53 in]
Product Height	6.3 mm[.25 in]
Cable Length	2 m[6.56 ft]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

IP Rating	IP67
Primary Application	Cellular, LTE
Wireless Application	Cat-M/NB-IoT, Cellular, LTE

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	Compliant with Exemptions
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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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 # L000795-15
Antenna LTE VDP Adh Bk 1.5M FAKRA-C Plug




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



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 # CONSMA001
SMA Jack 50 Ohm PCB Through Hole


Customers Also Bought




TE Part #640919-1
RECEPT,PIDG FASTON 16-14 187




TE Part #ANT-LTE-WS-SMA
Antenna Blade NBIOT LTE-M Swivel SMA




TE Part #1SNG626147R0000
EP-SGL-PG9-BL-B




TE Part #5054422013
RNF-100-1/8-5-STK




TE Part #BAT-HLD-012-SMT
Battery Holder 1216 1225 SMT Bulk Pack



TE Part #TRA6927M3PB-001
OMNI,DB,Ph,698/1710 MHz BK,3 dBi, 100W,



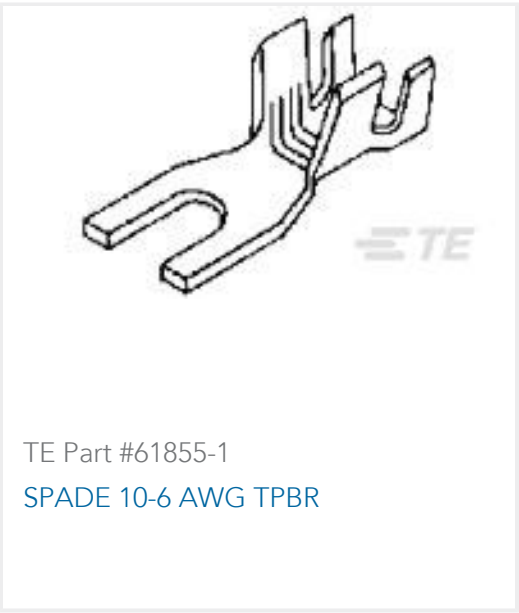
TE Part #5054062011
RNF-100-1/8-1-STK



TE Part #ANT-5GW-MMG2-SMA-1
Antenna Magnetic 5G Cell 1M SMA

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Documents

Product Drawings

[Antenna Vert 1/2 Wave Dipole LTE 2M SMA](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_L9000176-01_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000176-01_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000176-01_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Remote Adhesive-Mount Cellular Antenna](#)

English

[VDP DATA SHEET](#)

English