

ANT-LTE-VDP-2000-SMA

✓ ACTIVE

TE Internal #: L9000176-01

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

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Antennas



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

Mounting Location: Remote

Mounting Type: Adhesive

Antenna Termination: SMA

Antenna Type: Module

Features

Product Type Features

Antenna Termination	SMA
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Configuration Features

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

Electrical Characteristics

VSWR (Max)	<1.7:1
Impedance	50 Ω

Signal Characteristics

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

Body Features

Product Weight	49 g[1.72839 oz]
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Mechanical Attachment

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Polarization	Linear
Mounting Type	Adhesive

Dimensions

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

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	Cat-M/NB-IoT, Cellular, LTE
Primary Application	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 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

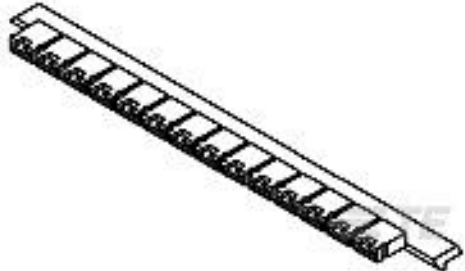


TE Part # L000795-15
Antenna LTE VDP Adh Bk 1.5M
FAKRA-C Plug

Customers Also Bought



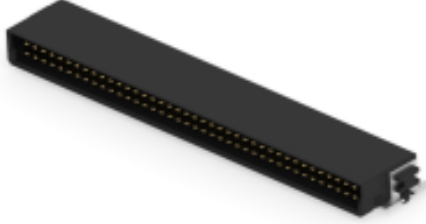
TE Part #1393240-2
RT314060 (RT-RELAY)



TE Part #142270-5
CONNECTOR SHUNT 2 P



TE Part #1-1478915-0
SMA STR PLG C/CRMP RG58 GSS



TE Part #154767-E
SMCB 80 M AB VV 7-03 CL * 0007 137
E004



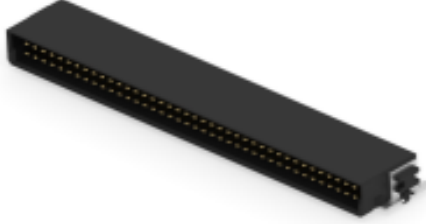
TE Part #154809-E
SMCB 80 F AB VV 7-13 CL * H007 137
E002



TE Part #ANT-868-CW-HW-SMA
Antenna 1/2 Wave Whip 868MHz SMA



TE Part #2016493-1
RF CA,UMCC TO UMCC, 1.13MM
CABLE,30MM



TE Part #M3031-000005-10KPG
PRESS XDCR M3031-000005-10KPG



Documents

Product Drawings

Antenna Vert 1/2 Wave Dipole LTE 2M SMA

English

Datasheets & Catalog Pages

VHETH Antenna Series Ground Plane Optimization

English

Sub-6 Cellular LTE-5G NR Frequency Band Guide

English

Considerations for Operation within the 260-470MHz Band

English

Understanding Antenna Specifications and Operation

English

Antennas Design, Application and Performance

English

Antenna Color Codes

English

The FCC Road Part 15 From Concept to Approval

English

RF 101 Information for the RF Challenged

English

Remote Adhesive-Mount Cellular Antenna

English

Virtual Antenna

English

Microsplatch Ground Plane Optimization

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