

ANT-GPS-SH2-SMA

✕ OBSOLETE

TE Internal #: ANT-GPS-SH2-SMA

TE Internal Description: Antenna GPS Ext Mag RG174 3M SMA

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Antennas



Wireless Application: **GNSS, GPS**

Mounting Location: **Remote**

Mounting Type: **Magnet**

Antenna Termination: **SMA**

Antenna Type: **Module**

Features

Product Type Features

Antenna Termination	SMA
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Configuration Features

Antenna Style	Disk-Puck
Mounting Location	Remote
Antenna Type	Module
Band Type	Dual Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<1.5:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	5 dB
Frequency Band	1553 – 1609 MHz
Nominal Frequency Range	1164 – 1610
Peak Gain	> 6 dBi

Body Features

Product Weight	79 g[2.78659 oz]
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Mechanical Attachment

Polarization	RHCP
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Mounting Type

Magnet

Dimensions

Cable Length	3 m[9.84 ft]
Product Width	36.5 mm[1.44 in]
Product Length	45 mm[1.77 in]
Product Height	12.5 mm[.49 in]

Operation/Application

Directionality	Directional
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Industry Standards

Wireless Application	GNSS, GPS
Primary Application	GNSS, GPS

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) 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.



Customers Also Bought

TE Part #2-6609128-8
6VM1S=F8096

TE Part #1-84952-7
1MM FPC HORZ.BTTM CONT.ASS.17P

TE Part #TAD1453A201-020
M12D4-MS-FS-TPE-24SH-TEAL-2.0M

TE Part #L9000158-01
Antenna Ind 916MHz RG58 1M SMA

TE Part #CONSMA012
SMA RA Plug 50 Ohm Cable Crimp

TE Part #YDBC54H-8-98PNV001
HERM RECP

TE Part #ANT-GPS-SH2-MCX
Antenna GPS ExtMag RG174 3M
SMCX

TE Part #1487600-1
USB, A-BLUNT,28/26,BLK,1.0M

Documents

Product Drawings

Antenna GPS Ext Mag RG174 3M SMA

English

Datasheets & Catalog Pages

VHETH Antenna Series Ground Plane Optimization

English

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

English

Linx RF Module Identification guide

English

Considerations for Operation within the 260-470MHz Band

English

ANT-GPS-SH2-ccc

English

Understanding Antenna Specifications and Operation

English

Antennas Design, Application and Performance

English

The FCC Road Part 15 From Concept to Approval

English

RF 101 Information for the RF Challenged

English

Virtual Antenna



English

[Microsplatch Ground Plane Optimization](#)

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