

ANT-MAG-B50-SMA

✓ ACTIVE

TE Internal #: ANT-MAG-B50-SMA

Wide Band, Remote Mount, Magnet, SMA, Single Port

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Antennas



Mounting Location: Remote

Mounting Type: Magnet

Antenna Termination: SMA

Band Type: Wide Band

Port Configuration: Single Port

Features

Product Type Features

| | |
|---------------------|-----|
| Antenna Termination | SMA |
|---------------------|-----|

Configuration Features

| | |
|--------------------|-------------|
| Antenna Style | Magnetic |
| Mounting Location | Remote |
| Band Type | Wide Band |
| Port Configuration | Single Port |

Electrical Characteristics

| | |
|-----------|------|
| Impedance | 50 Ω |
|-----------|------|

Mechanical Attachment

| | |
|---------------|--------|
| Mounting Type | Magnet |
|---------------|--------|

Dimensions

| | |
|----------------|------------------|
| Cable Length | 4 m[13.12 ft] |
| Product Width | 50 mm[1.97 in] |
| Product Length | 50 mm[1.97 in] |
| Product Height | 37.4 mm[1.47 in] |

Operation/Application

| | |
|---------------------|---------|
| Antenna Environment | Outdoor |
|---------------------|---------|

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 | Not Yet Reviewed |
| 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 # ANT-ELE-S01-005
Antenna Whip 860-960MHz MagBase-Mnt



TE Part # ANT-ELE-S01-011
Antenna Short 2.4GHz MagBase-Mnt



TE Part # CONSMA001
SMA Jack 50 Ohm PCB Through Hole



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



TE Part # CONSMSA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount

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

Customers Also Bought

TE Part #2-1415899-2
RZ03-1C4-D012

TE Part #1393240-4
RT314524

TE Part #9-1415036-1
PTMT00A0

TE Part #1742456-2
RT .265 DIA TERMINAL 10-6 AWG
TPCU

TE Part #ANT-315-CW-HWR-SMA
Antenna 1/2 Wave Whip Swivel
315MHz SMA

TE Part #ANT-418-CW-HWR-SMA
Antenna 1/4 Wave Whip Swivel
418MHz SMA

TE Part #ANT-ELE-S01-005
Antenna Whip 860-960MHz MagBase-
Mnt

TE Part #ANT-ELE-S01-008
Antenna DualBand 824-960MHz
MagBase-Mnt

TE Part #ANT-ELE-S01-011
Antenna Short 2.4GHz MagBase-Mnt

TE Part #ANT-MAG-B66-RPS
Antenna Magnetic Base 66mm RG174
4M RPS

Documents

Product Drawings

Antenna Magnetic Base 50mm RG174 4M SMA

English

Datasheets & Catalog Pages

ANT-MAG-Bxx-xxx

English

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

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

English