

ANT-DB1-RMS-RPS

✓ ACTIVE

TE Internal #: ANT-DB1-RMS-RPS

Terminal/Duck Antenna, Multi Band, Cellular, External Mount, Stud /Screw/Lug Mount, RP-SMA, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain

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Antennas



Communication Protocol: **Cellular**

Mounting Location: **External**

Mounting Type: **Stud/Screw/Lug Mount**

Frequency Category: **824 – 1990**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	RP-SMA
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Multi Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<1.5:1

Signal Characteristics

Frequency Band	824 – 960 MHz
Frequency Category	824 – 1990
Peak Gain	3 < 6 dBi

Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount



Dimensions

Product Width	29 mm[1.14 in]
Product Length	77.8 mm[3.06 in]
Product Height	0 mm[0 in]
Cable Length	4.3 m[14.11 ft]

Operation/Application

Directionality	Omnidirectional
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Industry Standards

Communication Protocol	Cellular
Primary Application	Cellular

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # CONREVSMA001-G
RP-SMA Jack 50 Ohm PCB Through Hole

TE Part # L9000251-01
RP-SMA Jack 50 Ohm .062 PCB Edge Mount

TE Part # L9000254-01
RP-SMA Jack 50 Ohm .031 PCB Edge Mount

TE Part # CONREVSMA002-SMD-G
RP-SMA RA Jack 50 Ohm PCB Surface Mount

Customers Also Bought

TE Part #1015473001
55M1424-28-2/6-9

TE Part #AS210-35PN
RECEPT.BOX MNTG.TYPE 2

TE Part #7355893001
55M0414-28-0

TE Part #215464-8
08P.MICRO-MATCH MOB

TE Part #350779-4
04P UMNL PLUG HSG UL94VO

TE Part #GV-10
GASKETS FOR SIZE 10 AS CONNECTOR

TE Part #2-1103007-3
HD.16.BU.C

Documents

Product Drawings
Antenna Vehicle DualBand RG58 4.3M RPS
English

CAD Files
Customer View Model
ENG_CVM_CVM_ANT-DB1-RMS-RPS_A1.3d_stp.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_ANT-DB1-RMS-RPS_A1.2d_dxf.zip

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English

Customer View Model

[ENG_CVM_CVM_ANT-DB1-RMS-RPS_A1.3d_igs.zip](#)

English

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Datasheets & Catalog Pages

[ANT-DB1-RMT-xxx](#)

English