ANT-B8-PW-QW-UFL ✔ ACTIVE

TE Internal #: ANT-B8-PW-QW-UFL

Terminal/Duck Antenna, Single Band, 5G / Cellular / LTE, External Mount, Stud/Screw/Lug Mount, MHF / MHF1 / U.FL, Omnidirectional, Single Port

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Antennas

Wireless Application: **5G, Cat-M/NB-IoT, Cellular, LTE**

Mounting Location: **External**

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

Frequency Category: **698 – 2700**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	MHF, MHF1, U.FL, UMCC
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

VSWR (Max)	<2.1:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	1.6 dB
Frequency Band	880 – 960 MHz, 880 – 960 MHz
Frequency Category	698 – 2700
Peak Gain	0 < 3 dBi

Mechanical Attachment

Polarization	Linear

Mounting Type	Stud/Screw/Lug Mount

Dimensions

Cable Length	.21 m[.71 ft]
Product Width	14.5 mm[.57 in]
Product Length	80.5 mm[3.17 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Wireless Application	5G, Cat-M/NB-IoT, Cellular, LTE
Primary Application	5G, Cellular, LTE

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) 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.

Compatible Parts

TE Part # ANT-B8-PW-QW
Antenna 1/4 Wave Whip LTE B8 RG174

TE Part # CONMHF1-SMD-G-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

TE Part # CONMHF1-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

TE Part # CONUFL001-SMD
Conn UFL MHF Straight PCB Mount Jack

TE Part # CONUFL001-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount

Customers Also Bought

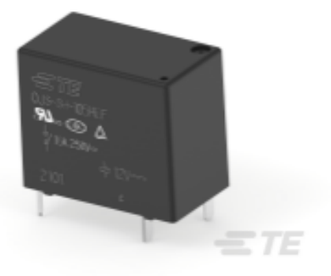
TE Part #C71645-000
RMW-10/3-1200/ADH-0

TE Part #6-1393211-9
T92P7D22-12

TE Part #216550-1
8/8 PCB MOD.JACK TE

TE Part #1-826936-6
16P AMPMODU II STIFT LEI

TE Part #6-1625890-8
2W SM M/OX 5% 6R8



TE Part #1-2071556-2
OJS-SH-105HEF,00000

Documents

Product Drawings

Antenna 1/4 Wave Whip LTE B8 1.32 UFL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-B8-PW-QW-UFL_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-B8-PW-QW-UFL_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-B8-PW-QW-UFL_C.3d_stp.zip

English

Datasheets & Catalog Pages

Single-Band Monopole Antenna

English