

ANT-DB1-WRT-UFL

✓ ACTIVE

TE Internal #: ANT-DB1-WRT-UFL
Dome/Puck Antenna, Triple Band, Wi-Fi, External Mount, Stud /Screw/Lug Mount, MHF / MHF1 / U.FL, Omnidirectional, Single Port, > 6 dBi Peak Gain
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Antennas



Communication Protocol: **Wi-Fi**
Mounting Location: **External**
Mounting Type: **Stud/Screw/Lug Mount**
Frequency Category: **2400 – 7125**
Antenna Type: **Dome/Puck**

Features

Product Type Features

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

Configuration Features

Antenna Style	Dome
Mounting Location	External
Antenna Type	Dome/Puck
Band Type	Triple Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<2.1:1

Signal Characteristics

Frequency Band	2400 – 2485 MHz
Gain (Max)	5 dB
Frequency Category	2400 – 7125
Peak Gain	> 6 dBi

Mechanical Attachment

Polarization	Linear
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Mounting Type	Stud/Screw/Lug Mount
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Dimensions

Product Width	19 mm[.75 in]
Product Length	10 mm[.39 in]
Product Height	0 mm[0 in]
Cable Length	.21 m[.71 ft]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	Wi-Fi
Primary Application	Wi-Fi

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



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



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

Customers Also Bought



TE Part #4-643814-2
12P MTA100 CONN ASSY POL RIB



TE Part #770024-1
02P UMNLI IN-LINE CAP HSG KIT



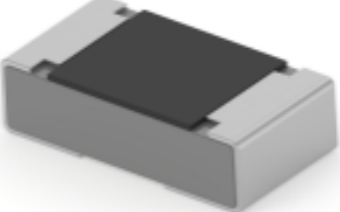
TE Part #770026-1
04P UMNLI IN-LINE CAP HSG KIT



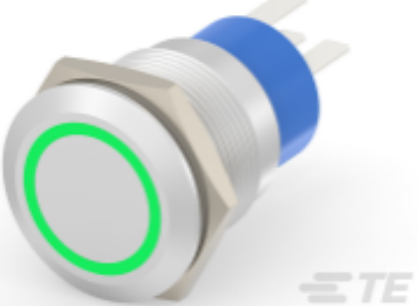
TE Part #6-1437624-7
PKG70B1/4=KNOB PLASTIC BLK LEX



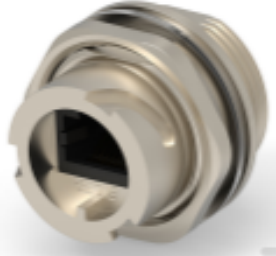
TE Part #7-2176397-6
3502 1K3 1%



TE Part #8-2176479-4
RA73F 1J 374R 0.1% 5K RL



TE Part #1-2213764-5
AV19 SPM 3A FIX RING LED GREEN 24V



TE Part #2355443-1
RJ45 CAT5e PANEL MOUNT SOCKET



TE Part #L9000108-01
Antenna Dome 2.4GHz RG174 216 RPS



TE Part #L9000169-01
Antenna 2.45/5.8GHz WRT Monopole U.FL

Documents

Product Drawings
Antenna Dome WiFi6 2.4/5.8GHz 1.32 UFL



English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-DB1-WRT-UFL_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-DB1-WRT-UFL_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-DB1-WRT-UFL_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

External Panel-Mount WiFi/WLAN Antenna

English