

# ANT-2.4-WRT-UFL ✓ ACTIVE

TE Internal #: L9000111-01

Dome/Puck Antenna, Single Band, Bluetooth / ISM / Zigbee,  
External Mount, Stud/Screw/Lug Mount, MHF / MHF1 / U.FL,  
Omnidirectional, Single Port

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## Antennas



Communication Protocol: **Bluetooth, ISM, Zigbee**

Mounting Location: **External**

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

Frequency Category: **2400 – 2500**

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	Single Band
Port Configuration	Single Port

### Electrical Characteristics

Impedance	50 $\Omega$
VSWR (Max)	<1.9:1

### Signal Characteristics

Frequency Band	2400 – 2485 MHz
Gain (Max)	3.5 dB
Frequency Category	2400 – 2500
Peak Gain	> 6 dBi

### Body Features

Product Weight	5.16 g[.18201 oz]
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### Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

### 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	Bluetooth, ISM, Zigbee
Primary Application	Bluetooth, ISM, Zigbee

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



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



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

## Customers Also Bought



TE Part # NB14882001  
DWP-125-1/8-0-STK



TE Part # 5-103946-1  
8X2 MTE SHRD PIN SR POL .100CL



TE Part # 3-640427-5  
05P MTA156 CONN ASSY 20AWG YEL



TE Part # 4-640441-2  
12P MTA100 CONN ASSY WHT



TE Part # 1-2176339-4  
CRGCO 0603 120R 1%



TE Part # 1-2308272-3  
CABLE CLAMP3 (CASE RAW)



TE Part # 1-2308341-6  
FULL METAL HOODS SIZE 2-6 (RAW 180 DEG)



TE Part # L9000034-01  
Antenna 1/4 Wave Short 2.4GHz SMA



TE Part # L9000080-01  
Antenna Mini 2.4GHz THM



TE Part # 5-103959-1  
10X2 MTE RCPT SR LATCH .100CL



## Documents

### Product Drawings

[Antenna Dome 2.4GHz 1.32 216 UFL](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_L9000111-01\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_L9000111-01\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_L9000111-01\\_C.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

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

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### Datasheets & Catalog Pages

[2.4 GHz External Panel-Mount Antenna](#)

English