

# ANT-2.4-WRT-UFL ✓ ACTIVE

TE Internal #: L9000111-01

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

[View on TE.com >](#)



## Antennas



Wireless Application: **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 Product Type	Antenna
Antenna Termination	MHF, MHF1, U.FL, UMCC

### Configuration Features

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

### Electrical Characteristics

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

### Signal Characteristics

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

### Body Features

Product Weight	5.16 g[.18201 oz]
----------------	-------------------



**Mechanical Attachment**

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

**Dimensions**

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

**Operation/Application**

Antenna Environment	Outdoor
Directionality	Omnidirectional

**Industry Standards**

Wireless Application	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 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 # 2-6609128-8  
6VM1S=F8096



TE Part # 1-84984-0  
1mm FFC DIP V ASSY 10P TUBE



TE Part # 2295205-1  
THERMOCOUPLE CONNECTOR. STRAIN RELIEF.



TE Part # 3-534206-2  
64 MODII VRT DR CE 100/115



TE Part # 2-2106431-1  
Connector, SMT-IDC PASS THRU, 1 POS, 22



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




TE Part # L9000107-01  
Antenna 2.45GHz WRT Monopole U.FL



TE Part # L9000109-01  
Antenna Dome 2.4GHz RG174 216 SMA



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



TE Part # 602-390-003  
HIT AUTA70B ROD HEX BOLT ADHSV

## Documents



## Product Drawings

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

English

## 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.

## Datasheets & Catalog Pages

[Sub-6 Cellular LTE-5G NR Frequency Band Guide](#)

English

[Virtual Antenna](#)

English

[Microslatch Ground Plane Optimization](#)

English

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

English