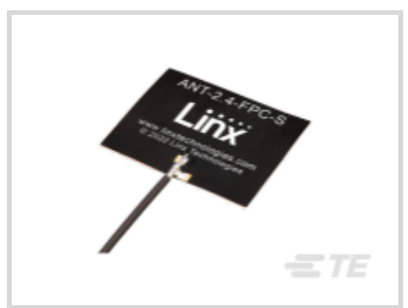
ANT-2.4-FPC-SH150UF ✔ ACTIVE

TE Internal #: L9000070-01

Flexible PCB (FPC) Antenna, Single Band, Bluetooth / ISM / Zigbee, Internal/Embedded Mount, Adhesive, MHF / U.FL / UMCC, Omnidirectional, Single Port

View on TE.com >

Antennas



Wireless Application: **Bluetooth, ISM, Zigbee**

Mounting Location: **Internal/Embedded**

Mounting Type: **Adhesive**

Frequency Category: **2400 – 2500**

Antenna Type: **Flexible PCB (FPC)**

Features

Product Type Features

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

Configuration Features

Mounting Location	Internal/Embedded
Antenna Type	Flexible PCB (FPC)
Band Type	Single Band
Port Configuration	Single Port

Signal Characteristics

Frequency Category	2400 – 2500
Peak Gain	3 < 6 dBi

Mechanical Attachment

Mounting Type	Adhesive

Operation/Application

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

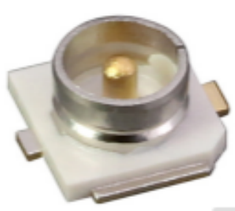
Product Compliance Disclaimer

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

Documents

Product Drawings

Antenna 2.4 FPC SH 25x20 150 UFL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000070-01_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L9000070-01_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_L9000070-01_B.3d_igs.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

Flexible Embedded 2.4 GHz FPC Antennas

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

7-1617559-9 7-2836495-2 B8965CN YDTS20F17-26JCV001 7-1618239-8 7-2836453-7 RP73D2A232KBTDF YDTS20F17-08HNV001 YDTS20F17-99BAV001 YDTS20F17-99SBV001 YDTS20F17-26JEV001 YDTS20F19-11AC0000 6-2007614-5 RP73D2A1K02BTDF YDTS20F17-26SEV001 6-192038-0 7-1618401-3 7-2836520-1 YDTS20F17-26HNV001 YDTS20F19-11PCV001 7-1617594-4 7-1623932-2 7-1625890-7 RP73D2A374RBTG YDTS20F19-11ANV001 YDTS20F19-11HNV001 YDTS20F19-32BNV001 7-2836535-7 YDTS20F17-06SDV001 YDTS20F17-35JBV001