



Antennas



Mounting Location: **Internal/Embedded**

Mounting Type: **Adhesive**

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

Antenna Termination: **MHF4**

Directionality: **Omnidirectional**

**Features**

**Product Type Features**

Antenna Termination	MHF4
Antenna Product Type	Antenna

**Configuration Features**

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

**Electrical Characteristics**

Antenna Operation	Passive
Impedance	50 Ω

**Body Features**

Product Weight	.2 g[.007 oz]
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**Mechanical Attachment**

Polarization	Linear
Mounting Type	Adhesive



### Dimensions

Cable Insulation Diameter (Max)	1.13 mm[.044 in]
Cable Length	.05 m[.16 ft]
Product Width	20 mm[.787 in]
Product Length	92.5 mm[3.641 in]
Product Height	.13 mm[.005 in]

### Operation/Application

Directionality	Omnidirectional
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### Packaging Features

Packaging Method	Bag/Carton
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### Other

Precision Level	Standard
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## 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.

## Documents

### Product Drawings

[LPWA FPC ANT VDP MHF4L 50mm 410-467 MHz](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_L000728-02\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_L000728-02\\_1.3d\\_stp.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_L000728-02\\_1.2d\\_dxf.zip](#)

English

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

### Datasheets & Catalog Pages

[LPWA 410 - 467 MHz FPC ANTENNAS](#)

English

[dnd-flyer-ISM-LPWA-en](#)

English