# L000605-01 ✔ ACTIVE

TE Internal #: L000605-01

Flexible PCB (FPC) Antenna, Internal/Embedded Mount, Adhesive Mount, MHF1, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain

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Antennas







Mounting Location: **Internal/Embedded**

Mounting Type: **Adhesive Mount**

Frequency Category: **410 – 470**

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

Antenna Termination: **MHF1**

## Features

### Product Type Features

| | |
|---|---|
| Antenna Termination | MHF1 |
| 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

| | |
|---|---|
| Impedance | 50 Ω |
| Antenna Operation | Passive |
| VSWR (Max) | <1.5:1 |

### Signal Characteristics

| | |
|---|---|
| Frequency Band | 410 – 470 MHz |
| Frequency Category | 410 – 470 |
| Peak Gain | 0 < 3 dBi |

## Body Features

| | |
|---|---|
| Antenna Weight | 1 g[.007 oz] |

## Mechanical Attachment

| | |
|---|---|
| Polarization | Linear |
| Mounting Type | Adhesive Mount |

## Dimensions

| | |
|---|---|
| Product Width | 20 mm[.787 in] |
| Product Length | 100 mm[3.937 in] |
| Product Height | .13 mm[.005 in] |
| Cable Length | .05 m[.16 ft] |
| Cable Insulation Diameter (Max) | 1.13 mm[.044 in] |

## Operation/Application

| | |
|---|---|
| Wireless Standard | 433 ISM |
| Directionality | Omnidirectional |

## Product Availability

| | |
|---|---|
| Applicable Region | Global |

## Packaging Features

| | |
|---|---|
| Packaging Method | Bag/Carton |

## Other

| | |
|---|---|
| Precision Level | Standard |

## 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 | Out of Scope |
| 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # L000926-15
Antenna 433MHz FPC 1.13 COAX 150mm MHF4L



TE Part # L000926-20
Antenna 433MHz FPC 1.13 COAX 200mm MHF4L



TE Part # L000926-25
Antenna 433MHz FPC 1.13 COAX 250mm MHF4L



TE Part # L000925-15
Antenna 433MHz FPC 1.13 COAX 150mm UFL



TE Part # L000925-10
Antenna 433MHz FPC 1.13 COAX 100mm UFL



TE Part # L000925-20
Antenna 433MHz FPC 1.13 COAX 200mm UFL



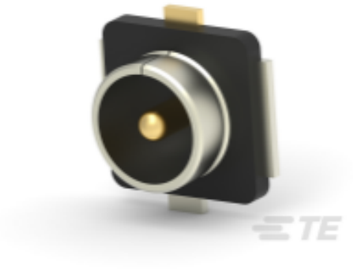
TE Part # L000926-05
Antenna 433MHz FPC 1.13 COAX 50mm MHF4L



TE Part # L000926-10
Antenna 433MHz FPC 1.13 COAX 100mm MHF4L



TE Part # L000925-25
Antenna 433MHz FPC 1.13 COAX 250mm UFL



TE Part # 2337019-1
UMCC Micro-Coax receptacle, Gen 1



TE Part # L000925-05
Antenna 433MHz FPC 1.13 COAX 50mm UFL

## Customers Also Bought



TE Part #ANT-5GW-FPC-LH50UF
Antenna 5GW FPC LH 45x7 50 UFL



TE Part #ANT-5GW-FPC-V100UF
Antenna 5GW FPC LV 20x120 100 UFL



TE Part #L000604-01
ISM FPC ANT HDP MHF 50mm 410-435 MHz



TE Part #965785-1
ABDECKKAPPE 180GRD



TE Part #CAT-N05-AT28
2.8 mm Automation Ready Terminals for Automotive Wire Harness Production and High Performance Automation



TE Part #1-1703808-1
4POS,TAB 2.8X0.8,TAB HSG,ASSY,



TE Part #1703810-1
SLIDE,TAB HSG GROUP B



TE Part #2-1775485-1
Battery Holder, 3.6mm, BLK,low profile



TE Part #2195846-1
FPC ANT, MHF, 50mm, 698-7125 MHz

## Documents

### Product Drawings

ISM FPC ANT VDP MHF 50mm 410-435 MHz

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L000605-01_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L000605-01_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L000605-01_1.3d_stp.zip

English

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

### Datasheets & Catalog Pages

ISM 433 MHz FPC ANTENNAS

English

dnd-flyer-ISM-LPWA-en

English

## Product Specifications

Product Specification

English