



**Part Number :** [2042870050](#)

**Product Description :** ISM 433MHz Flex Antenna, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Series Number :** 204287

**Status :** Active

**Product Category :** Antennas



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## Documents & Resources

### Drawings

[2042870050\\_sd.pdf](#)

[2042870100-PK.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications


[2042870100-AS.pdf](#)

[2042870100-PS.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	Antennas
Series	204287
Description	ISM 433MHz Flex Antenna, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	ISM 433MHz Flex Antenna
Protocol	LoRa
Type	Internal, ISM Antenna
UPC	191128411363

### Electrical

Electrical Connectivity	Cable
Frequency	433 MHz
Peak Gain (dBi)	0.8
Return Loss - S11 (dB)	< -10
Total Efficiency	>56%

## Physical

Cable Length	50.00mm
Length	90.00mm
Mounting Style	Adhesive
Net Weight	1.243/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	40.00mm

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms	<u>734120110</u>