



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

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](#)

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(2024)7663-DC (21 Jan 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

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

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>

This document was generated on Sep 18, 2025