



**Part Number :** [2111400100](#)  
**Product Description :** ISM 868/915MHz  
Flexible Antenna, 100.00mm Cable Length,  
Compatible with U.FL / I-PEX MHF Connectors  
**Series Number :** [211140](#)  
**Status :** Active  
**Product Category :** [Antennas](#)



Documents & Resources


**Drawings**  
[Drawing 2111400100\\_sd.pdf](#)  
[Packaging Design Drawing 2111400100-001.pdf](#)

**3D Models and Design Files**  
[3D Model 2111400100\\_stp.zip](#)

**Specifications**  
[Application Specification 2111400100-000.pdf](#)  
[Product Specification 2111400100-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C

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

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	Antennas
Series	211140
Description	ISM 868/915MHz Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Family	Industrial, Scientific and Medical (ISM) Antennas
Product Name	ISM 868/915 MHz Stand Alone
Protocol	LoRa, Neul, SigFox, Z-Wave, Zigbee
Type	Internal, ISM Antenna, LPWAN
UPC	191130157419

#### Electrical

Band#1 F_End (MHz)	870
Band#1 F_Start (MHz)	868
Band#2 F_End (MHz)	928
Band#2 F_Start (MHz)	902
Electrical Connectivity	Cable
Peak Gain (dBi)	0.3 @ 868 MHz, 1.0 @ 902 MHz
Return Loss - S11 (dB)	< -5
Total Efficiency	>55% @ 868 MHz, >60% @ 902 MHz

#### Physical

Cable Length	100.00mm
Length	38.00mm

Mounting Style	Adhesive
Net Weight	0.626/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	10.00mm

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height	<u>0734120110</u>