



Part Number : [1052620001](#)
Product Description : ISM 868/915MHz
Antenna, 100.00mm Cable Length,
Compatible with U.FL / I-PEX MHF Connectors
Series Number : 105262
Status : Active
Product Category : Antennas



Documents & Resources

Drawings
[Drawing 1052620001_sd.pdf](#)

3D Models and Design Files
[3D Model 1052620001_stp.zip](#)
[HFSS Model 1052620001_HFSS.zip](#)

Specifications
[Application Specification AS-105262-0001-001.pdf](#)
[Packaging Specification PK-105262-001-001.pdf](#)
[Product Specification PS-105262-001-001.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 per D(2022)9120-DC (17 Jan 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

Part Details

General

Status	Active
Category	Antennas
Series	105262
Description	ISM 868/915MHz 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	887191106519

Electrical

Band#1 F_End (MHz)	870
Band#1 F_Start (MHz)	863
Band#2 F_End (MHz)	928
Band#2 F_Start (MHz)	902
Electrical Connectivity	Cable
Peak Gain (dBi)	0.4 @ 868 MHz, 1.4 @ 915 MHz
Return Loss - S11 (dB)	< -6
Total Efficiency	> -1.8dB @ 915 MHz, > -3.0dB @ 868 MHz

Physical

Cable Length	100.00mm
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Length	79.00mm
Mounting Style	Adhesive
Net Weight	0.640/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	10.00mm

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>