

Unlicensed Transmitters: Approved Antennas List

<i>Manufacturer</i>	<i>Antenna</i>	<i>Description</i>	<i>Type</i>	<i>Peak Gain (dBI)</i>	<i>Ω</i>	<i>Connector Type</i>	<i>Notes</i>
Molex	2067640100	Antennas ISM Dipole Flex Ant 868/915 MHz 100MM	Dipole	1.2	50	U.FL Female	1

Notes:

1) Used for LoRa radio. Antenna was tested for compliance.



Part Number : 2067640100
Product Description : ISM 868/915MHz Dipole Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 206764
Status : New Business Not Supported
Product Category : Antennas



Documents & Resources

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

Part Details

General

Status	New Business Not Supported
--------	----------------------------

Category	Antennas
Series	206764
Description	ISM 868/915MHz Dipole 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	191128789165

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)	1.2 @ 868/915 MHz
Return Loss - S11 (dB)	< -9
Total Efficiency	>70% @ 868/915 MHz

Physical

Cable Length	100.00mm
Length	87.40mm
Mounting Style	Adhesive
Net Weight	0.872/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	12.40mm
