Part Number : 2081420001
Product Description : ISM 868/915MHz Ceramic Antenna, Low-Profile, SMT
Series Number : 208142
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

2081420001_sd.pdf

2081420001-PK.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

2081420001-AS.pdf

2081420001-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	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- 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	208142
Description	ISM 868/915MHz Ceramic Antenna, Low-Profile, SMT
Component Type	Surface Mount Device Antenna
Function	Signal
Product Name	ISM 868/915MHz Ceramic Antenna
Protocol	LoRa, Neul, SigFox, Z-Wave, Zigbee
Type	Internal, ISM Antenna, LPWAN
UPC	191130138265

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	SMD
Peak Gain (dBi)	1.5 @ 868 MHz, 1.8 @ 902 MHz
Return Loss - S11 (dB)	< -10, < -5
Total Efficiency	65% @ 902 MHZ, 70% @ 868 MHz

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Physical

Cable Length	N/A
Length	9.00mm
Mounting Style	Surface Mount
Net Weight	0.067/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.63mm
Width	3.00mm

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