This document was generated on 02/17/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 2081420001

Status: Active

Overview: Industrial, Scientific and Medical (ISM) Antennas

Description: ISM 868/915MHz Ceramic Antenna, Low-Profile, SMT



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- 3D Model (PDF)
- Product Specification 2081420001-PS (PDF)
- Application Specification 2081420001-AS (PDF)
- Packaging Specification 2081420001-PK (PDF)
- Datasheet (PDF)
- RoHS Certificate of Compliance (PDF)

General

Product Family	Antennas
Series	208142
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	Industrial, Scientific and Medical (ISM) Antennas
Product Name	ISM 868/915MHz Ceramic Antenna
Protocol	LoRa, Neul, SigFox, Z-Wave, Zigbee
Type	ISM Antenna, LPWAN
UPC	191130138265

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

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

Material Info

Reference - Drawing Numbers

Application Specification	2081420001-AS
Packaging Specification	2081420001-PK
Product Specification	2081420001-PS
Sales Drawing	2081420001-000

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - ECHA_01_2020 (16 January 2020

Halogen-Free Status
Low-Halogen

For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
208142 Series

This document was generated on 02/17/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION