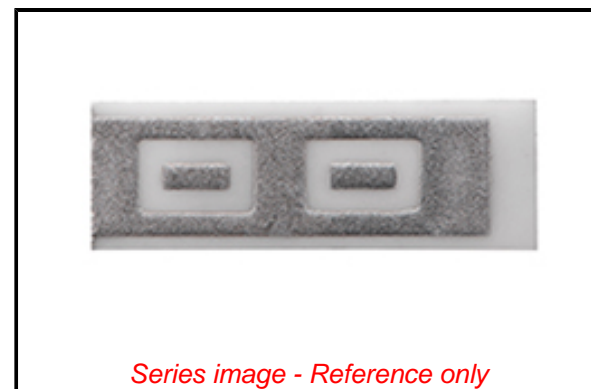


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Part Number: [2081420001](#)
Status: **Active**
Overview: Industrial, Scientific and Medical (ISM) Antennas
Description: ISM 868/915MHz Ceramic Antenna, Low-Profile, SMT

Documents:

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

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

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[208142 Series](#)