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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:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 2081420001-PK (PDF)</a>
<a href="#">Product Specification 2081420001-PS (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 2081420001-AS (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**General**

Product Family	Antennas
Series	<a href="#">208142</a>
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	<a href="#">Industrial, Scientific and Medical (ISM) Antennas</a>
Product Literature Order No	987650-7461
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

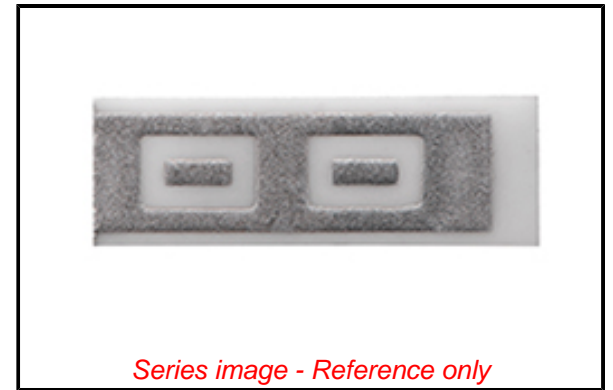
**Electrical**

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  
-ED/88/2018 (15  
January 2019)

**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

**Search Parts in this Series**

[208142 Series](#)