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Part Number:

2081420001

Status:

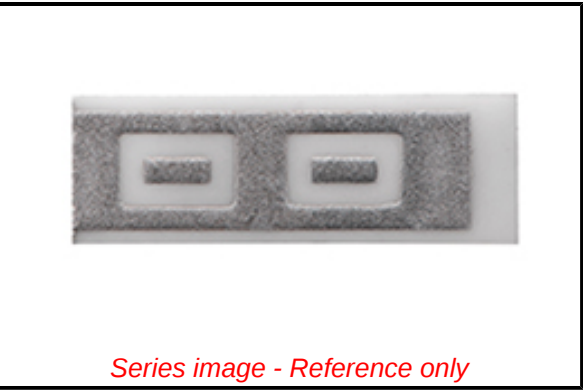
Active

Overview:

Industrial, Scientific and Medical (ISM) Antennas

Description:

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



|                                                           |                                                               |
|-----------------------------------------------------------|---------------------------------------------------------------|
| Documents:                                                |                                                               |
| <a href="#">HFSS Model</a>                                | <a href="#">Application Specification 2081420001-AS (PDF)</a> |
| <a href="#">3D Model</a>                                  | <a href="#">Packaging Specification 2081420001-PK (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                            | <a href="#">Datasheet (PDF)</a>                               |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |
| <a href="#">Product Specification 2081420001-PS (PDF)</a> |                                                               |

|                             |                                                   |
|-----------------------------|---------------------------------------------------|
| 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                |
| Taxonomy                    | Antennas                                          |
| 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                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2020)9139-DC (19 Jan 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

208142 Series

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