

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [2161960011](#)  
**Status:** **Active**  
**Overview:** Industrial, Scientific and Medical (ISM) Antennas  
**Description:** Lora 915MHz High-Band External Antenna, 196.00mm Length, with RP-SMA (M) Connector

**Documents:**

|                                                                |                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Packaging Specification 2161960001-001 (PDF)</a> |
| <a href="#">Product Specification 2161960001-001 (PDF)</a>     | <a href="#">Datasheet (PDF)</a>                              |
| <a href="#">Application Specification 2161960001-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**General**

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| Product Family | Antennas                                                          |
| Series         | <a href="#">216196</a>                                            |
| Component Type | External Antenna                                                  |
| Function       | Signal                                                            |
| Overview       | <a href="#">Industrial, Scientific and Medical (ISM) Antennas</a> |
| Product Name   | LoRa High Band Antenna                                            |
| Protocol       | LoRa                                                              |
| Type           | ISM Antenna                                                       |
| UPC            | 193264724031                                                      |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Length                        | 196.00mm        |
| Mounting Style                | N/A             |
| Net Weight                    | 23.500/g        |
| Packaging Type                | PET Bag         |
| Polarization                  | Linear          |
| Radiation Pattern             | Omnidirectional |
| Temperature Range - Operating | -40° to +85°C   |
| Width                         | 13.00mm         |

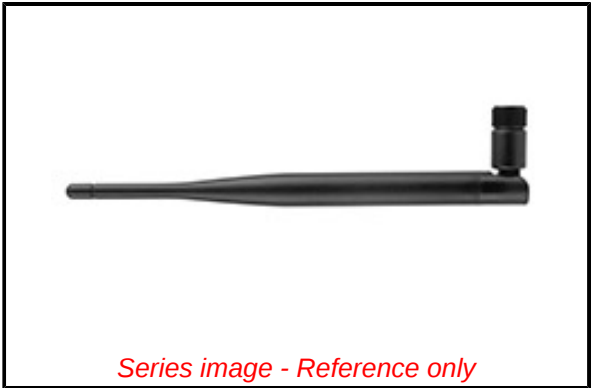
**Electrical**

|                        |                |
|------------------------|----------------|
| Band#1 F_End (MHz)     | 925            |
| Band#1 F_Start (MHz)   | 905            |
| Peak Gain (dBi)        | 1.7 @ 915 MHz  |
| Return Loss - S11 (dB) | < -8           |
| Total Efficiency       | >70% @ 915 MHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                |
|---------------------------|----------------|
| Application Specification | 2161960001-000 |
| Packaging Specification   | 2161960001-001 |
| Product Specification     | 2161960001-001 |
| Sales Drawing             | 2161960001-000 |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
lead  
octamethylcyclotetrasiloxane

**Halogen-Free**

**Status**

**Low-Halogen**

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

|                 |               |
|-----------------|---------------|
| China ROHS      | 50 Image      |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[216196](#) Series