



**Part Number :** [2158720001](#)  
**Product Description :** Mini-Link Wi-Fi Tri-Band  
Antenna, 35.00mm Length, with SMA Male Connector  
**Series Number :** 215872  
**Status :** Active  
**Product Category :** Antennas  
**Engineering Number :** 215872-0101



Documents & Resources

Drawings

[2158720001\\_sd.pdf](#)  
[2158720001-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

Specifications

[2158720001-001.pdf](#)  
[2158720001-000.pdf](#)

Product Environment Compliance

Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                               |
| REACH SVHC         | Contains Lead per D(2025)4165-DC<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant with Exemption 6(c) per<br>EU 2015/863                                                             |

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|                |                                                                           |
|----------------|---------------------------------------------------------------------------|
| Status         | Active                                                                    |
| Category       | Antennas                                                                  |
| Series         | 215872                                                                    |
| Description    | Mini-Link Wi-Fi Tri-Band Antenna, 35.00mm Length, with SMA Male Connector |
| Component Type | External Antenna                                                          |
| Function       | Signal                                                                    |
| Product Name   | Mini-Link Antenna                                                         |
| Protocol       | BT, DSRC, Wi-Fi                                                           |
| Type           | External, Wi-Fi Antenna                                                   |
| UPC            | 193264759514                                                              |

### Electrical

|                      |                                     |
|----------------------|-------------------------------------|
| Band#1 F_End (MHz)   | 2500                                |
| Band#1 F_Start (MHz) | 2400                                |
| Band#2 F_End (MHz)   | 6000                                |
| Band#2 F_Start (MHz) | 5000                                |
| Band#3 F_End (MHz)   | 7125                                |
| Band#3 F_Start (MHz) | 6000                                |
| Peak Gain (dBi)      | 3.4 @ 2.4 GHz, 4.5 @ 6 GHz, 6.0 @ 5 |

|                        |                                              |
|------------------------|----------------------------------------------|
|                        | GHZ                                          |
| Return Loss - S11 (dB) | < -10, < -3, < -5                            |
| Total Efficiency       | >45% @ 6 GHz, >60% @ 5 GHz,<br>>60% @2.4 GHz |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Length                        | 35.00mm         |
| Mounting Style                | N/A             |
| Net Weight                    | 3.930/g         |
| Packaging Type                | Tray            |
| Polarization                  | Linear          |
| Radiation Pattern             | Omnidirectional |
| Temperature Range - Operating | -40° to +85°C   |
| Width                         | 8.00mm          |

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**Mates With / Use With**

**Mates with Part(s)**

|             |             |
|-------------|-------------|
| Description | Part Number |
| Mates With  | SMA Socket  |