



**Part Number :** [2143860001](#)  
**Product Description :** 2.4GHz / 5GHz Wi-Fi/Bluetooth External Antenna, Compatible with U.FL / I-PEX MHF Connectors, Black  
**Series Number :** 214386  
**Status :** New Business Not Supported  
**Product Category :** Antennas



## Documents & Resources

## Product Environment Compliance

### Compliance

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                         |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                         |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                       |
| REACH SVHC         | Contains Lead per D(2023)3788-DC (14 Jun 2023)                                       |
| EU RoHS            | Compliant with Exemption 6(c) per EU 2015/863                                        |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

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

### EU RoHS Certificate of Compliance

## Part Details

### General

|                |                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------|
| Status         | New Business Not Supported                                                                         |
| Category       | Antennas                                                                                           |
| Series         | 214386                                                                                             |
| Description    | 2.4GHz / 5GHz Wi-Fi/Bluetooth External Antenna, Compatible with U.FL / I-PEX MHF Connectors, Black |
| Component Type | External Antenna                                                                                   |
| Function       | Signal                                                                                             |
| Product Family | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee                                        |
| Product Name   | 2.4/5GHz Wi-Fi/BT Antenna                                                                          |
| Protocol       | BT, Wi-Fi                                                                                          |
| Type           | External                                                                                           |
| UPC            | 193264430079                                                                                       |

## Electrical

|                         |                              |
|-------------------------|------------------------------|
| Band#1 F_End (MHz)      | 2500                         |
| Band#1 F_Start (MHz)    | 2400                         |
| Band#2 F_End (MHz)      | 5850                         |
| Band#2 F_Start (MHz)    | 5150                         |
| Electrical Connectivity | Cable                        |
| Peak Gain (dBi)         | 3.3 @ 2.4 GHz, 5.2 @ 2.4 GHz |
| Return Loss - S11 (dB)  | < -10                        |
| Total Efficiency        | >65% @ 5 GHz, >80% @ 2.4 GHz |

## Physical

|                   |                 |
|-------------------|-----------------|
| Length            | 104.00mm        |
| Mounting Style    | N/A             |
| Net Weight        | 6.000/g         |
| Packaging Type    | PET Bag         |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Width             | 9.35mm          |