



**Part Number :** [2128600001](#)  
**Product Description :** 2.4GHz / 5GHz Wi-Fi/  
Bluetooth Hinged External Antenna, with SMA Male  
Connector, Black  
**Series Number :** 212860  
**Status :** Active  
**Product Category :** Antennas

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**Documents and Resources**

**Drawings**  
[2128600001\\_sd.pdf](#)  
[2128600001-PK1.pdf](#)

**3D Models and Design Files**  
[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

**Specifications**  
[2128600001-AS.pdf](#)  
[2128600001-PS.pdf](#)

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**Product Environment Compliance**

**Compliance**

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| China RoHS         |  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)7771-DC (04 Feb 2026)                                                          |
| EU RoHS            | Compliant with Exemption 6(c) per 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         | 212860                                                                                |
| Description    | 2.4GHz / 5GHz Wi-Fi/Bluetooth Hinged External Antenna, with SMA Male Connector, Black |
| Component Type | External Antenna                                                                      |
| Function       | Signal                                                                                |
| Product Name   | 2.4/5GHz Wi-Fi/BT Antenna                                                             |
| Protocol       | BT, Wi-Fi                                                                             |
| Type           | External                                                                              |
| UPC            | 193264201457                                                                          |

### 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)         | 4.5 @ 5 GHz, 5.3 @ 2.4 GHz |
| Return Loss - S11 (dB)  | < -10                      |

|                  |                              |
|------------------|------------------------------|
| Total Efficiency | >75% @ 5 GHz, >80% @ 2.4 GHz |
|------------------|------------------------------|

**Physical**

|                   |                 |
|-------------------|-----------------|
| Length            | 108.40mm        |
| Mounting Style    | N/A             |
| Net Weight        | 9.250/g         |
| Packaging Type    | PET Bag         |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Width             | 9.35mm          |

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**Mates With / Use With**

**Mates with Part(s)**

|             |                       |
|-------------|-----------------------|
| Description | Part Number           |
| Mates With  | SMA Female Receptacle |