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**Part Number:** [1461870100](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** Wi-Fi 6E PCB Cabled Balanced Antenna, 9.00mm Width, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

|                                                               |                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------------------|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-146187-100-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Packaging Specification 1461870100-PK (PDF)</a>       |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Datasheet (PDF)</a>                                   |
| <a href="#">Product Specification PS-146187-100-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

**General**

|                |                                                             |
|----------------|-------------------------------------------------------------|
| Product Family | Antennas                                                    |
| Series         | <a href="#">146187</a>                                      |
| Component Type | PCB Antenna with Cable                                      |
| Function       | Signal                                                      |
| Mates With     | <a href="#">734120110</a> Microcoaxial RF, 50 Ohm           |
| Overview       | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee |
| Product Name   | 2.4/5GHz Balanced PCB Antenna                               |
| Protocol       | BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee               |
| Taxonomy       | Antennas                                                    |
| Type           | Wi-Fi Antenna                                               |
| UPC            | 889056416405                                                |

**Physical**

|                   |                 |
|-------------------|-----------------|
| Cable Length      | 100.00mm        |
| Length            | 40.95mm         |
| Mounting Style    | Screw-Nut       |
| Net Weight        | 0.893/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.70mm          |
| Width             | 9.00mm          |

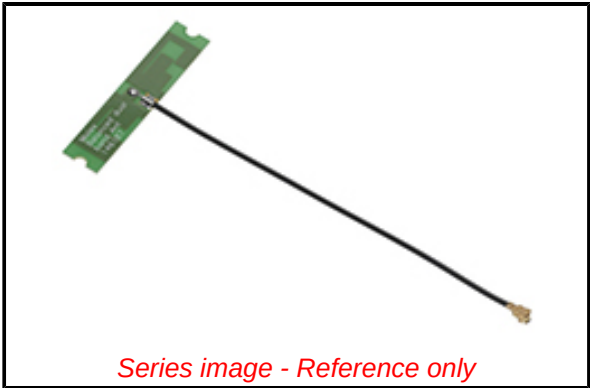
**Electrical**

|                         |                              |
|-------------------------|------------------------------|
| Band#1 F_End (MHz)      | 2483.5                       |
| Band#1 F_Start (MHz)    | 2400                         |
| Band#2 F_End (MHz)      | 5850                         |
| Band#2 F_Start (MHz)    | 5150                         |
| Electrical Connectivity | Cable                        |
| Peak Gain (dBi)         | 3.2 @ 2.4 GHz, 4.5 @ 5 GHz   |
| Return Loss - S11 (dB)  | < -10                        |
| Total Efficiency        | >70% @ 5 GHz, >80% @ 2.4 GHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                   |
|---------------------------|-------------------|
| Application Specification | AS-146187-100-001 |
| Packaging Specification   | 1461870100-PK     |
| Product Specification     | PS-146187-100-001 |
| Sales Drawing             | SD-146187-050-001 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Contained Per -  
D(2021)10043-DC (17  
Jan 2022)  
2-Methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop

**Halogen-Free**

**Status**

**Low-Halogen**

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

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

**Search Parts in this Series**

[146187](#) Series

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