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**Part Number:** **1462200200**  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** Wi-Fi 6E+GNSS PCB Cabled Balanced Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-146220-100-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification PK-146220-100-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Datasheet (PDF)</a>                                   |
| <a href="#">Product Specification PS-146220-100-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

**General**

|                |  |
|----------------|--|
| Product Family | Antennas   |
| Series         | 146220   |
| Component Type | PCB Antenna with Cable   |
| Function       | Signal   |
| Overview       | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee                  |
| Product Name   | 2.4/5GHz GPS-Wi-Fi Antenna   |
| Protocol       | BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee |
| Taxonomy       | Antennas   |
| Type           | Combo Wi-Fi/GNSS Antenna   |
| UPC            | 889056569682   |

**Physical**

|                   |                 |
|-------------------|-----------------|
| Cable Length      | 200.00mm        |
| Length            | 53.50mm         |
| Mounting Style    | Screw-Nut       |
| Net Weight        | 2.105/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.81mm          |
| Width             | 16.60mm         |

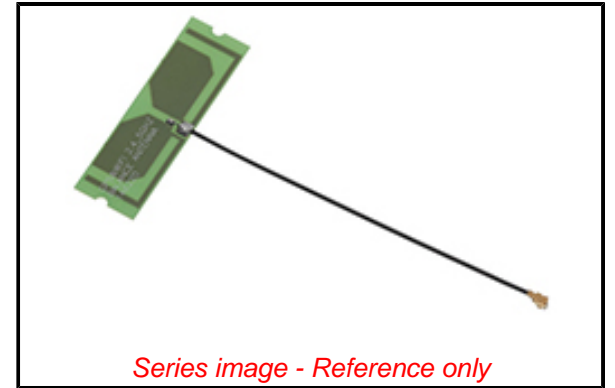
**Electrical**

|                         |   |
|-------------------------|---|
| Band#1 F_End (MHz)      | 1602  |
| Band#1 F_Start (MHz)    | 1575.42   |
| Band#2 F_End (MHz)      | 2483.5  |
| Band#2 F_Start (MHz)    | 2400  |
| Band#3 F_End (MHz)      | 5850  |
| Band#3 F_Start (MHz)    | 5150  |
| Band#4 F_End (MHz)      | 6000  |
| Band#4 F_Start (MHz)    | 3000  |
| Electrical Connectivity | Cable   |
| Peak Gain (dBi)         | 2.1 @ 1575 MHz, 2.6 @ 2.4 GHz, 3.0 @ 3 GHz, 3.3 @ 5 GHz     |
| Return Loss - S11 (dB)  | < -8  |
| Total Efficiency        | >69% @ 3 GHz, >73% @ 5 GHz, >74% @ 2.4 GHz, >76% @ 1575 MHz |

**Material Info**

**Reference - Drawing Numbers**

|                           |                   |
|---------------------------|-------------------|
| Application Specification | AS-146220-100-001 |
| Packaging Specification   | PK-146220-100-001 |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained per -  
D(2022)9120-DC (17  
Jan 2023)

2-Methyl-1-(4-methylthiophenyl)-2-morpholinoprop

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

146220 Series

**Mates With**

734120110 Microcoaxial RF, 50 Ohm

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