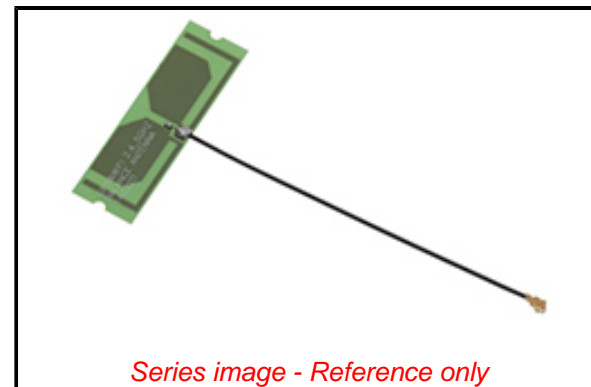


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Part Number: [1462200100](#)
Status: **Active**
Overview: Antennas
Description: GPS and Wi-Fi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, Cable Length 100.00mm

Documents:

| | |
|---|---|
| 3D Model | Packaging Specification PK-146220-100-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-146220-100-001 (PDF) | Product Literature (PDF) |
| Application Specification AS-146220-100-001 (PDF) | |



General

| | |
|-----------------------------|--|
| Product Family | Antennas |
| Series | 146220 |
| Component Type | Stand Alone Antenna with Cable |
| Mates With | 73412-0110 Microcoaxial RF, 50 Ohm |
| Overview | <u>Antennas</u> |
| Product Literature Order No | 987651-3851 |
| Product Name | 2.4/5GHz GPS-Wi-Fi Antenna |
| Protocol | BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee |
| Type | Combo Wi-Fi/GNSS Antenna |
| UPC | 889056569668 |

Physical

| | |
|-------------------|-----------------|
| Cable Length | 100.00mm |
| Length | 53.50mm |
| Mounting Style | Screws |
| Net Weight | 1.794/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) | 2.4 @ 1575M, 2.9 @ 2.4G, 3.5 @ 3G, 3.8 @ 5G |
| Return Loss - S11 (dB) | < -8 |
| Total Efficiency | >78% @ 3G, >80% @ 2.4G, >82% @ 1575M, >83% @ 5G |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|-------------------|
| Application Specification | AS-146220-100-001 |
| Packaging Specification | PK-146220-100-001 |
| Product Specification | PS-146220-100-001 |
| Sales Drawing | SD-146220-050-001 |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[146220](#) Series

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