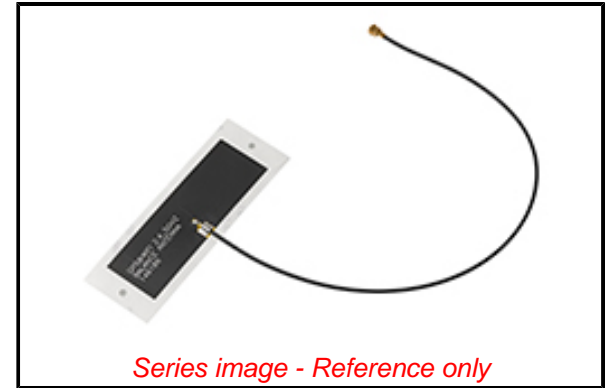


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Part Number: [1461860200](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: GPS and Wi-Fi 2.4GHz / 5GHz Combo Flex Antenna, 18.00mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Documents:

| | |
|---|---|
| 3D Model | Application Specification AS-146186-100-001 (PDF) |
| 3D Model (PDF) | Packaging Specification 1461860100-000 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| Product Specification PS-146186-100-001 (PDF) | RoHS Certificate of Compliance (PDF) |



General

| | |
|----------------|--|
| Product Family | Antennas |
| Series | 146186 |
| Component Type | Flexible Antenna with Cable |
| Function | Signal |
| Mates With | 734120110 Microcoaxial RF, 50 Ohm |
| 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 |
| Type | Combo Wi-Fi/GNSS Antenna |
| UPC | 889056433631 |

Physical

| | |
|-------------------|-----------------|
| Cable Length | 200.00mm |
| Length | 53.00mm |
| Mounting Style | Adhesive |
| Net Weight | 1.182/g |
| Packaging Type | PET Film |
| Polarization | Linear |
| Radiation Pattern | Omnidirectional |
| Thickness | 0.10mm |
| Width | 18.00mm |

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) | 2.7 @ 1575 MHz, 2.7 @ 2.4 GHz, 3.5 @ 5 GHz, 4.2 @ 3 GHz |
| Return Loss - S11 (dB) | < -10 |
| Total Efficiency | >62% @ 5 GHz, >65% @ 1575 MHz, >70% @ 2.4 GHz, >71% @ 3 GHz |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|-------------------|
| Application Specification | AS-146186-100-001 |
| Packaging Specification | 1461860100-000 |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

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

[146186 Series](#)

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