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Part Number: **1461860100**
Status: **Active**
Overview: Standard Antennas
Description: GPS and WiFi 2.4GHz / 5GHz Combo Flex Antenna, 18.00mm Width, Cable Length 100.00mm

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-146186-100-001 \(PDF\)](#) [Product Literature \(PDF\)](#)
[Application Specification AS-146186-100-001 \(PDF\)](#)

General

| | |
|-----------------------------|---|
| Product Family | Antennas |
| Series | 146186 |
| Component Type | Stand Alone Antenna with Cable |
| Mates With | 73412-0110 Microcoaxial RF, 50 Ohm |
| Overview | Standard Antennas |
| Product Literature Order No | 987651-3851 |
| Product Name | 2.4/5GHz GPS-Wi-Fi* Antenna |
| Protocol | BLE, BT, GPS, WiFi, Wireless Hart, Zigbee |
| Type | GPS-Wifi Antenna |
| UPC | 889056433518 |

Physical

| | |
|-------------------|-----------------|
| Cable Length | 100.00mm |
| Length | 53.00mm |
| Mounting Style | Adhesive |
| Net Weight | 0.653/g |
| Packaging Type | PET Film |
| Polarization | Linear |
| Radiation Pattern | Omnidirectional |
| Thickness | 0.10mm |
| Width | 18.00mm |

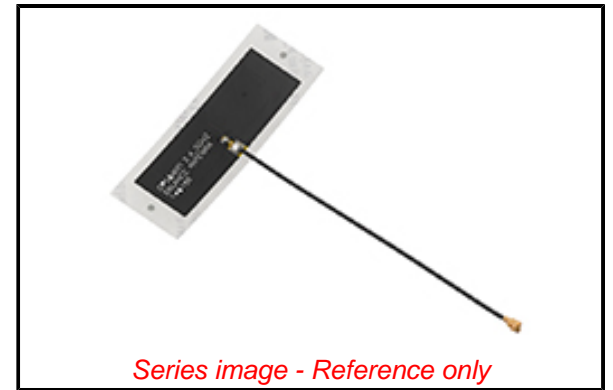
Electrical

| | |
|-------------------------|---|
| 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 |
| Impedance | 50Ω |
| Number of Bands | 4 |
| Peak Gain (dBi) | 3.0 @ 1575M, 3.0 @ 2.4G, 4.0 @ 5G, 4.7 @ 3G |
| Return Loss - S11 (dB) | < -10 |
| Total Efficiency | >70% @ 1575M, >70% @ 5G, >75% @ 2.4G, >80% @ 3G |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|-------------------|
| Application Specification | AS-146186-100-001 |
| Product Specification | PS-146186-100-001 |
| Sales Drawing | SD-146186-050-001 |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
ED/01/2017 (12
January 2017)
2,4-Di-tert-butyl-6-(5-
chlorobenzotriazol-2-
yl)p

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 | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

146186 Series

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