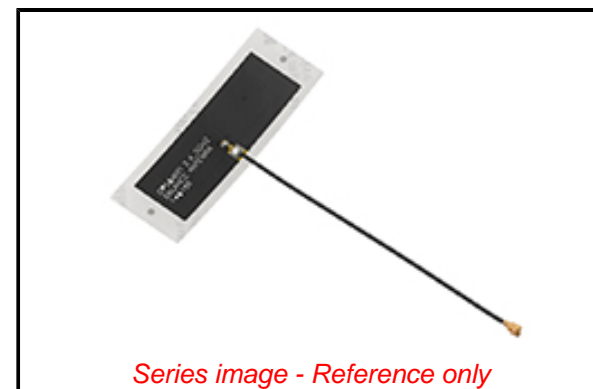


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**Part Number:** [1461860100](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** GPS and Wi-Fi 2.4GHz / 5GHz Combo Flex Antenna, 18.00mm Width, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification 1461860100-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-146186-100-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-146186-100-001 (PDF)</a>	



**General**

Product Family	Antennas
Series	<a href="#">146186</a>
Component Type	Flexible 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 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	889056433518

**Physical**

Cable Length	100.00mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	0.894/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)	3.0 @ 1575 MHz, 3.0 @ 2.4 GHz, 4.0 @ 5 GHz, 4.7 @ 3 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>70% @ 1575 MHz, >70% @ 5 GHz, >75% @ 2.4 GHz, >80% @ 3 GHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-146186-100-001
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**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

Packaging Specification  
Product Specification  
Sales Drawing

1461860100-000  
PS-146186-100-001  
SD-146186-050-001

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