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Part Number: [1461860150](#)
Status: **Active**
Overview: [Standard Antennas](#)
Description: GPS and WiFi 2.4GHz / 5GHz Combo Flex Antenna, 18.00mm Width, Cable Length 150.00mm

Documents:

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

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	889056433624

Physical

Cable Length	150.00mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	0.803/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	18.00mm

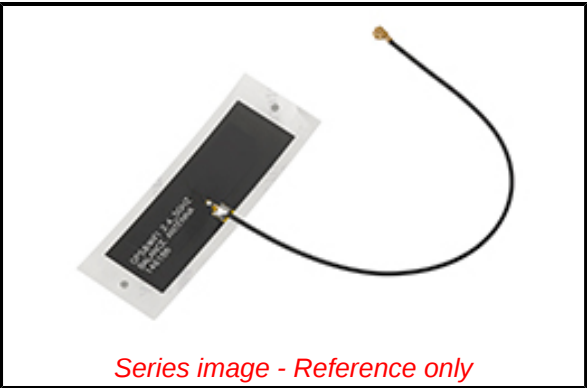
Electrical

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)	2.85 @ 1575M, 2.85 @ 2.4G, 3.75 @ 5G, 4.5 @ 3G
Return Loss - S11 (dB)	< -10
Total Efficiency	>66% @ 5G, >68% @ 1575M, >72% @2.4G, >75% @ 3G

Material Info

Reference - Drawing Numbers

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



Series image - Reference only

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

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China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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[146186](#) Series

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