

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **1461860300**
Status: **Active**
Overview: Standard Antennas
Description: GPS and WiFi 2.4GHz / 5GHz Combo Flex Antenna, 18.00mm Width, Cable Length 300.00mm

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	889056433655

Physical

Cable Length	300.00mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	1.253/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	18.00mm

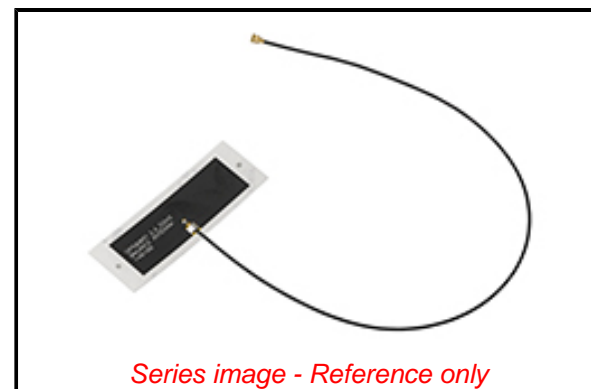
Electrical

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)	2.4 @ 1575M, 2.4 @ 2.4G, 3.0 @ 5G, 3.7 @ 3G
Return Loss - S11 (dB)	< -10
Total Efficiency	>56% @ 5G, >61% @ 1575M, >64% @ 3G, >65% @ 2.4G

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

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

This document was generated on 04/13/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION