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Part Number: [1461860050](#)
Status: **Active**
Overview: Standard Antennas
Description: GPS and WiFi 2.4GHz / 5GHz Combo Flex Antenna, 18.00mm Width, Cable Length 50.00mm

Documents:

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

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
Type	GPS-Wifi Antenna
UPC	889056433495

Physical

Cable Length	50.00mm
Depth	0.10mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	0.566/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Width	18.00mm

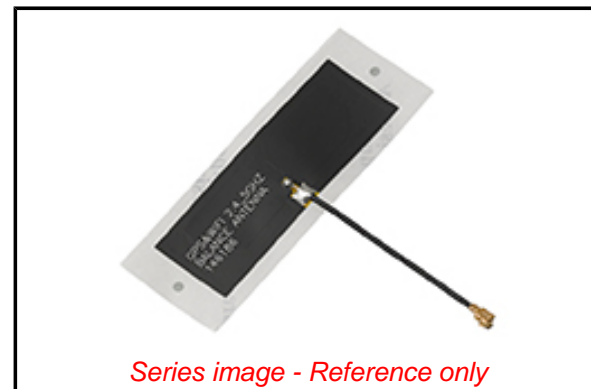
Electrical

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	50#
Number of Bands	4
Peak Gain (dBi)	3.15 @ 1575M, 3.15 @ 2.4G, 4.25 @ 5G, 5.0 @ 3G
Return Loss - S11 (dB)	< -10
Total Efficiency	>72% @ 1575M, >74% @ 5G, >77% @ 2.4G, >84% @ 3G

Material Info

Reference - Drawing Numbers

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

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
ELV

Green Image
Not Relevant

Search Parts in this Series

[146186 Series](#)

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