

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1462200250](#)
Status: **Active**
Overview: [Standard Antennas](#)
Description: GPS and WiFi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, Cable Length 250.00mm

Documents:

Drawing (PDF)	Packaging Specification PK-146220-100-001 (PDF)
Product Specification PS-146220-100-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-146220-100-001 (PDF)	Product Literature (PDF)

General

Product Family	Antennas
Series	146220
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	889056569699

Physical

Cable Length	250.00mm
Length	53.50mm
Mounting Style	Screws
Net Weight	2.249/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.81mm
Width	16.60mm

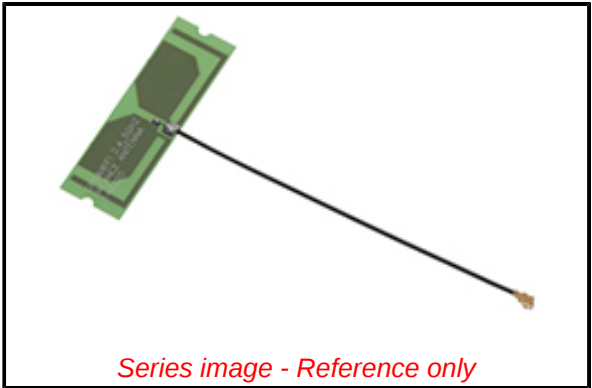
Electrical

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)	2.0 @ 1575M, 2.5 @ 2.4G, 2.8 @ 3G, 3.1 @ 5G
Return Loss - S11 (dB)	< -8
Total Efficiency	>65% @ 3G, >69% @ 5G, >71% @ 2.4G, >73% @ 1575M

Material Info

Reference - Drawing Numbers

Application Specification	AS-146220-100-001
Packaging Specification	PK-146220-100-001
Product Specification	PS-146220-100-001
Sales Drawing	SD-146220-050-001



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

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

[146220](#) Series

This document was generated on 04/13/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

146220-0250