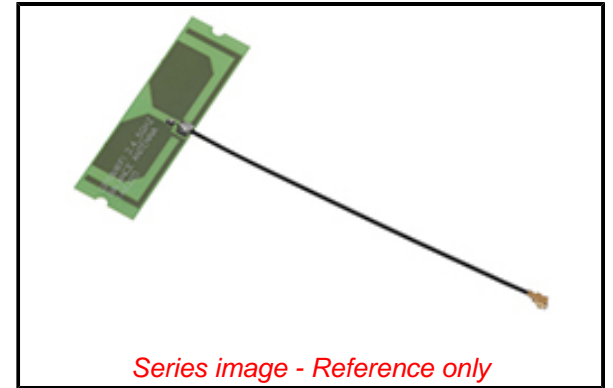


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Part Number: [1462200200](#)
Status: **Active**
Overview: [Antennas](#)
Description: GPS and Wi-Fi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, Cable Length 200.00mm

Documents:

3D Model	Packaging Specification PK-146220-100-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-146220-100-001 (PDF)	Product Literature (PDF)
Application Specification AS-146220-100-001 (PDF)	



General

Product Family	Antennas
Series	146220
Component Type	Stand Alone Antenna with Cable
Mates With	73412-0110 Microcoaxial RF, 50 Ohm
Overview	Antennas
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	889056569682

Physical

Cable Length	200.00mm
Length	53.50mm
Mounting Style	Screws
Net Weight	2.105/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
Peak Gain (dBi)	2.1 @ 1575M, 2.6 @ 2.4G, 3.0 @ 3G, 3.3 @ 5G
Return Loss - S11 (dB)	< -8
Total Efficiency	>69% @ 3G, >73% @ 5G, >74% @ 2.4G, >76% @ 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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

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

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[146220](#) Series

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