

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1462200200

Status:

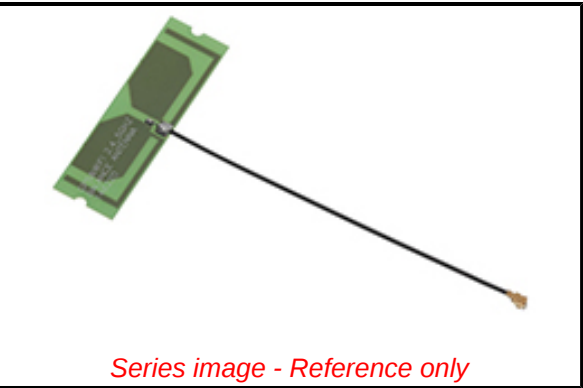
Active

Overview:

Antennas

Description:

GPS and Wi-Fi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, Cable Length 200.00mm



Documents:

3D Model

Drawing (PDF)

Product Specification PS-146220-100-001 (PDF)

Application Specification AS-146220-100-001 (PDF)

Packaging Specification PK-146220-100-001 (PDF)

RoHS Certificate of Compliance (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	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

This document was generated on 07/27/2018

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION