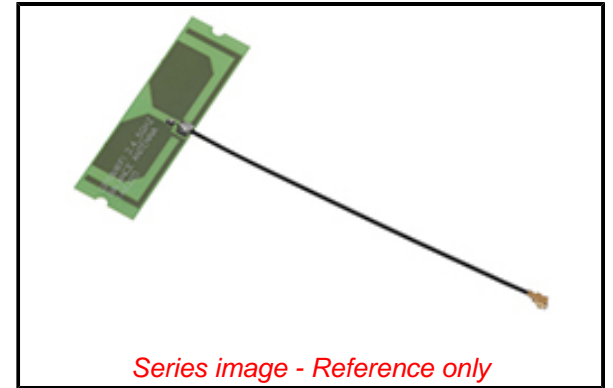


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Part Number: [1462200050](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: GPS and Wi-Fi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

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	PCB Antenna with Cable
Function	Signal
Mates With	734120110 Microcoaxial RF, 50 Ohm
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
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	889056569644

Physical

Cable Length	50.00mm
Length	53.50mm
Mounting Style	Screw-Nut
Net Weight	1.644/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)	2.6 @ 1575 MHz, 3.1 @ 2.4 GHz, 3.8 @ 3 GHz, 4.1 @ 5 GHz
Return Loss - S11 (dB)	< -8
Total Efficiency	>82% @ 2.4 GHz, >82% @ 3 GHz, >84% @ 1575 MHz, >88% @ 5 GHz

Material Info

Reference - Drawing Numbers

Application Specification	AS-146220-100-001
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EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[146220](#) Series

Packaging Specification
Product Specification
Sales Drawing

PK-146220-100-001
PS-146220-100-001
SD-146220-050-001

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