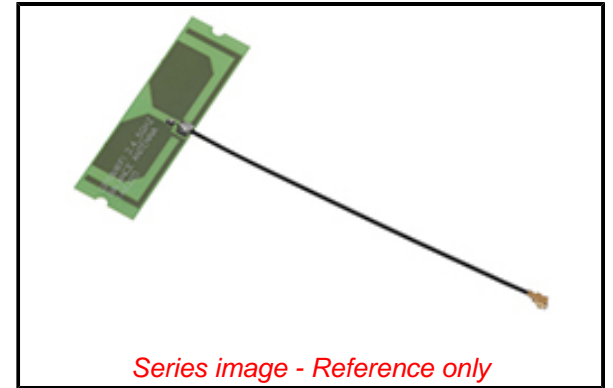


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**Part Number:** [1462200200](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** GPS and Wi-Fi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-146220-100-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-146220-100-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-146220-100-001 (PDF)</a>	



**General**

Product Family	Antennas
Series	<a href="#">146220</a>
Component Type	PCB Antenna with Cable
Function	Signal
Mates With	<a href="#">734120110</a> Microcoaxial RF, 50 Ohm
Overview	<a href="#">Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</a>
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	Screw-Nut
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 @ 1575 MHz, 2.6 @ 2.4 GHz, 3.0 @ 3 GHz, 3.3 @ 5 GHz
Return Loss - S11 (dB)	< -8
Total Efficiency	>69% @ 3 GHz, >73% @ 5 GHz, >74% @ 2.4 GHz, >76% @ 1575 MHz

**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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