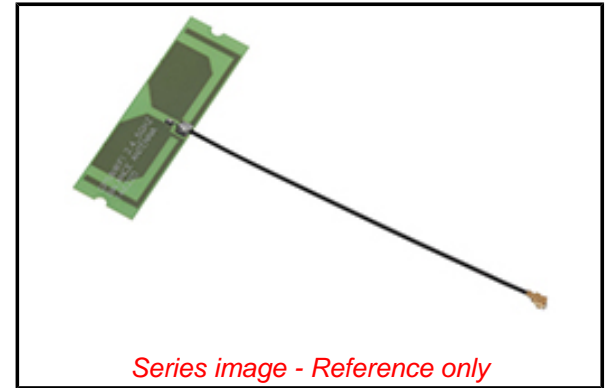


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**Part Number:** [1462200150](#)  
**Status:** **Active**  
**Overview:** Standard Antennas  
**Description:** GPS and WiFi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, Cable Length 150.00mm

**Documents:**

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



**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
Type	GPS-Wifi Antenna
UPC	889056569675

**Physical**

Cable Length	150.00mm
Depth	0.81mm
Length	53.50mm
Mounting Style	Screws
Net Weight	2.948/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
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	50#
Number of Bands	4
Peak Gain (dBi)	2.3 @ 1575M, 2.8 @ 2.4G, 3.3 @ 3G, 3.6 @ 5G
Return Loss - S11 (dB)	< -8
Total Efficiency	>73% @ 3G, >77% @ 2.4G, >78% @ 5G, >79% @ 1575M

**Material Info**

**Reference - Drawing Numbers**

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

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[146220](#) Series

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