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**Part Number:** [1462200250](#)  
**Status:** **Active**  
**Overview:** [Standard Antennas](#)  
**Description:** GPS and WiFi 2.4GHz / 5GHz Combo PCB Antenna, 16.60mm Width, Cable Length 250.00mm

**Documents:**  
[Drawing \(PDF\)](#)  
[Product Specification PS-146220-100 \(PDF\)](#)  
[Application Specification AS-146220-100 \(PDF\)](#)  
[Packaging Specification PK-146220-100 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)  
[Product Literature \(PDF\)](#)

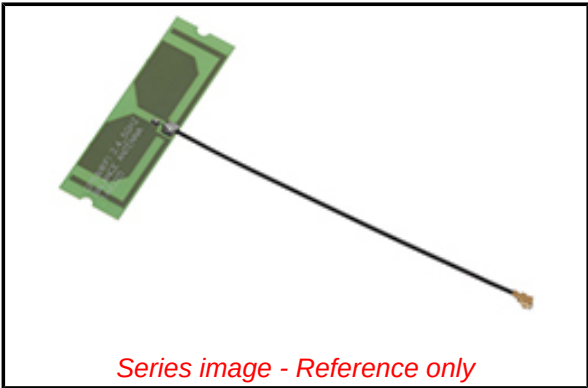
**General**  
Product Family Antennas  
Series [146220](#)  
Component Type Stand Alone Antenna with Cable  
Mates With [73412-0110](#) Microcoaxial RF, 50 Ohm  
Overview [Standard Antennas](#)  
Product Literature Order No 987651-3851  
Product Name 2.4/5GHz GPS-Wi-Fi\* Antenna  
Type GPS-Wifi Antenna  
UPC 889056569699

**Physical**  
Cable Length 250.00mm  
Depth 0.81mm  
Length 53.50mm  
Mounting Style Screws  
Net Weight 2.249/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) 2.0 @ 1575M, 2.5 @ 2.4G, 2.8 @ 3G, 3.1 @ 5G  
Return Loss - S11 (dB) < -8  
Total Efficiency >65% @ 3G, >69% @ 5G, >71% @ 2.4G, >73% @ 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** **China 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 Green Image  
ELV Not Relevant

**Search Parts in this Series**  
[146220](#) Series

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