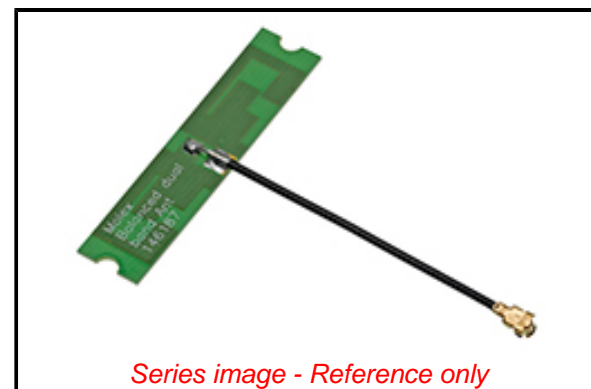


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **1461870050**  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz / 5GHz Wi-Fi PCB Antenna with Balanced Transmission, 9.00mm Width, 50.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-146187-100-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification 1461870100-PK (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-146187-100-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	Antennas
Series	146187
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 Name	2.4/5GHz Balanced PCB Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Wi-Fi Antenna
UPC	889056416399

**Physical**

Cable Length	50.00mm
Length	40.95mm
Mounting Style	Screw-Nut
Net Weight	0.732/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.70mm
Width	9.00mm

**Electrical**

Band#1 F_End (MHz)	2483.5
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5850
Band#2 F_Start (MHz)	5150
Electrical Connectivity	Cable
Peak Gain (dBi)	3.4 @ 2.4 GHz, 4.75 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>75% @ 5 GHz, >85% @ 2.4 GHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-146187-100-001
Packaging Specification	1461870100-PK
Product Specification	PS-146187-100-001
Sales Drawing	SD-146187-050-001

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
2-Methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop

**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**

146187 Series