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Part Number: [1461870050](#)
Status: **Active**
Overview: [Standard Antennas](#)
Description: 2.4GHz / 5GHz Wi-Fi* PCB Antenna with Balanced Transmission, 9.00mm Width, Cable Length 50.00mm

Documents:

[Drawing \(PDF\)](#) [Application Specification AS-146187-100 \(PDF\)](#)
[Product Specification PS-146187-100 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Antennas
Series	146187
Component Type	Stand Alone Antenna with Cable
Mates With	73412-0110 Microcoaxial RF, 50 Ohm
Overview	Standard Antennas
Product Name	2.4/5GHz Balanced PCB Antenna
Type	Wi-Fi* Antenna
UPC	889056416399

Physical

Cable Length	50.00mm
Depth	0.10mm
Length	40.95mm
Mounting Style	Screws
Net Weight	0.732/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Width	9.00mm

Electrical

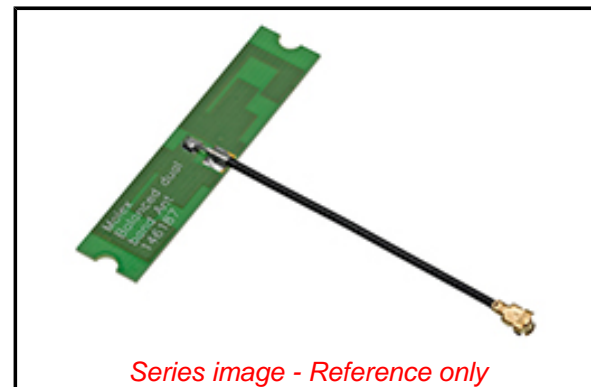
Band#1 F_End (MHz)	2483.5
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5850
Band#2 F_Start (MHz)	5150
Electrical Connectivity	Cable
Impedance	50#
Number of Bands	2
Peak Gain (dBi)	3.4 @ 2.4G, 4.75 @ 5G
Return Loss - S11 (dB)	< -10
Total Efficiency	>75% @ 5G, >85% @ 2.4G

Material Info

Reference - Drawing Numbers

Application Specification	AS-146187-100
Product Specification	PS-146187-100
Sales Drawing	SD-146187-050

*Wi-Fi is a registered trademark of the Wi-Fi Alliance



Series image - Reference only

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
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Not Relevant

ELV

Not Relevant

Search Parts in this Series

[146187 Series](#)