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Part Number: [1461870250](#)
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, 250.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Documents:

3D Model	Application Specification AS-146187-100-001 (PDF)
Drawing (PDF)	Packaging Specification 1461870100-PK (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification PS-146187-100-001 (PDF)	RoHS Certificate of Compliance (PDF)

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	889056416634

Physical

Cable Length	250.00mm
Length	40.95mm
Mounting Style	Screw-Nut
Net Weight	1.269/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.70mm
Width	9.00mm

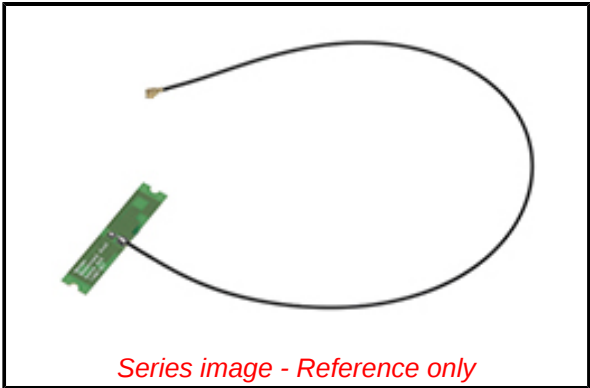
Electrical

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)	2.6 @ 2.4 GHz, 3.7 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>60% @ 5 GHz, >70% @ 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