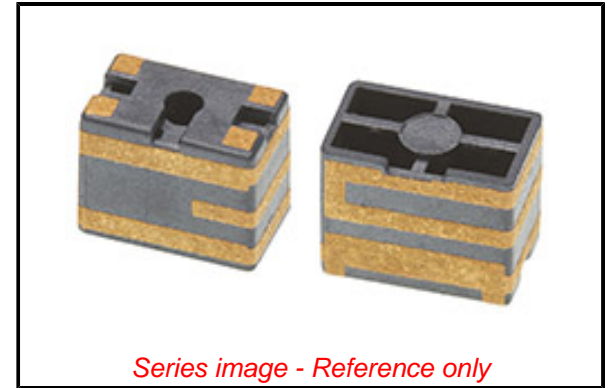


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Part Number: [1461750001](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: 2.4GHz / 5GHz SMT MID Chip Antenna, 5.00mm by 3.00mm

Documents:

HFSS Model	Application Specification AS-146175-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-146175-001-001 (PDF)
3D Model	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-146175-001-001 (PDF)	



General

Product Family	Antennas
Series	146175
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz SMT OnGround MID Chip
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Wi-Fi Antenna
UPC	889056512084

Physical

Cable Length	N/A
Length	5.00mm
Mounting Style	Surface Mount
Net Weight	0.058/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	4.00mm
Width	3.00mm

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	SMD
Peak Gain (dBi)	3.0 @ 2.4 GHz, 4.2 @ 5 GHz
Return Loss - S11 (dB)	< -6
Total Efficiency	>70%

Material Info

Reference - Drawing Numbers

Application Specification	AS-146175-001-001
Packaging Specification	PK-146175-001-001
Product Specification	PS-146175-001-001
Sales Drawing	SD-146175-001-001

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

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

[146175 Series](#)