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

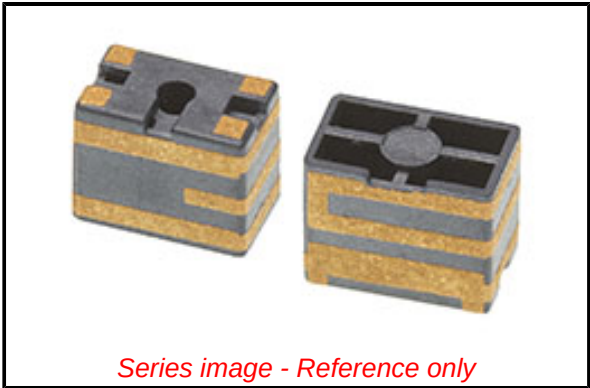
General
Product Family Antennas
Series [146175](#)
Component Type Surface Mount Device Antenna
Function Signal
Overview Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name 2.4/5GHz SMT OnGround MID Chip
Protocol BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type Wi-Fi Antenna
UPC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



Series image - Reference only

EU ELV
Not Relevant

EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2021)4569-DC (8 July 2021)	
Halogen-Free Status	
Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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[146175 Series](#)

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