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Part Number: [1461750001](#)
Status: **Active**
Overview: [Antennas](#)
Description: 2.4/5GHz SMT On-ground MID Chip Antenna

Documents:

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

General

Product Family	Antennas
Series	146175
Component Type	Surface Mount Device Antenna
Overview	Antennas
Product Literature Order No	987650-5702
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	Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	4.00mm
Width	3.00mm

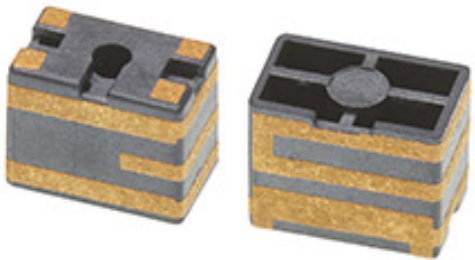
Electrical

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
Impedance	50Ω
Number of Bands	2
Peak Gain (dBi)	3.0 @ 2.4G, 4.2 @ 5G
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

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

Halogen-Free

Status

Low-Halogen

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environmental compliance?**

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

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[146175](#) Series