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

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-146175-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-146175-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-146175-001-001 (PDF)</a>	

**General**

Product Family	Antennas
Series	<a href="#">146175</a>
Component Type	Surface Mount Device Antenna
Overview	<a href="#">Antennas</a>
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

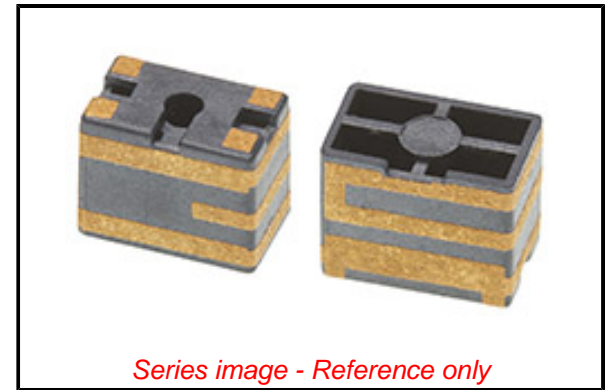
**Electrical**

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**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[146175 Series](#)