

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2065140001](#)  
**Status:** **Active**  
**Overview:** Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee  
**Description:** 2.4GHz / 5GHz SMT Ceramic Antenna, 4.00mm by 3.00mm

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification 2065140001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification 2065140001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">HFSS Model</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification 2065140001-000 (PDF)</a>	



**General**

Product Family	Antennas
Series	<a href="#">206514</a>
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	<a href="#">Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee</a>
Product Name	2.4/5GHz Ceramic SMT Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Wi-Fi Antenna
UPC	191130127795

**Physical**

Cable Length	N/A
Length	4.00mm
Mounting Style	Surface Mount
Net Weight	0.139/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)	3.5 @ 2.4 GHz, 6.2 @ 5 GHz
Return Loss - S11 (dB)	< -5, < -8
Total Efficiency	>75%

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2065140001-001
Packaging Specification	2065140001-001
Product Specification	2065140001-000
Sales Drawing	2065140001-000

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

[206514 Series](#)