

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:

Drawing (PDF)	Application Specification 2065140001-001 (PDF)
3D Model	Packaging Specification 2065140001-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
HFSS Model	RoHS Certificate of Compliance (PDF)
Product Specification 2065140001-000 (PDF)	

General

Product Family	Antennas
Series	206514
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
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



Series image - Reference only

EU ELV

Not Relevant

EU 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

Search Parts in this Series

[206514](#) Series

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[206514-0001](#)