



Part Number : [2065140001](#)

Series Number : 206514

Product Category : Antennas

Product Description : 2.4GHz / 5GHz SMT
Ceramic Antenna, 4.00mm by 3.00mm

Status : Active

Documents & Resources

Drawings

[Drawing 2065140001_sd.pdf](#)

[Packaging Design Drawing 2065140001-001.pdf](#)

3D Models and Design Files

[HFSS Model 2065140001_HFSS.zip](#)


Specifications

[Application Specification 2065140001-001.pdf](#)

[Product Specification 2065140001-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

Part Details

General

Status	Active
Category	Antennas
Series	206514
Description	2.4GHz / 5GHz SMT Ceramic Antenna, 4.00mm by 3.00mm
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	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	Internal, Wi-Fi Antenna
UPC	191130127795

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%

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

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