Part Number : 2065140001
Product Description : 2.4GHz / 5GHz SMT Ceramic Antenna, 4.00mm by 3.00mm
Series Number : 206514
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

2065140001_sd.pdf

2065140001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

2065140001-001.pdf

2065140001-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS

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- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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 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%

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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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