



Part Number : 2119640001

Series Number : 211964

Product Category : Antennas

Product Description : 2.4GHz / 5GHz Ceramic Loop SMT Antenna

Status : Active

Documents & Resources

Drawings

Drawing 2119640001_sd.pdf

Packaging Design Drawing 2119640001-PPK.pdf

3D Models and Design Files

3D Model 2119640001_stp.zip

HFSS Model 2119640001_HFSS.zip


Specifications

Application Specification 2119640001-AS.pdf

Product Specification 2119640001-PS.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
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Antennas
Series	211964
Description	2.4GHz / 5GHz Ceramic Loop SMT Antenna
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	191130538799

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)	2.1 @ 2.4 GHz (Dual-band), 2.2 @ 5 GHz (Dual-band), 2.7 @ 2.4 GHz (Single-band)
Return Loss - S11 (dB)	< -5, < -6
Total Efficiency	>65% @ 5G (Dual-band), >70% @ 2.4G (Dual-band), >80% @ 2.4G (Single-band)

Physical

Cable Length	N/A
Length	3.20mm

Mounting Style	Surface Mount
Net Weight	0.019/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	1.20mm
Width	1.60mm