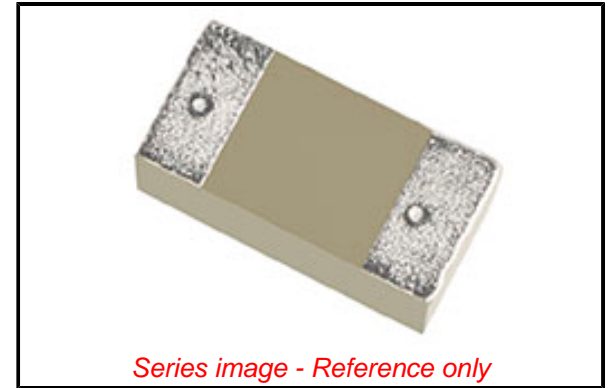


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [2119640001](#)
Status: **Active**
Overview: Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Description: 2.4GHz / 5GHz Ceramic Loop SMT Antenna

Documents:

HFSS Model	Application Specification 2119640001-AS (PDF)
3D Model	Packaging Specification 2119640001-PPK (PDF)
3D Model (PDF)	Datasheet (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 2119640001-PS (PDF)	



General

Product Family	Antennas
Series	211964
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	191130538799

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

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)

Material Info

Reference - Drawing Numbers

Application Specification	2119640001-AS
Packaging Specification	2119640001-PPK
Product Specification	2119640001-PS
Sales Drawing	2119640001-SD

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

[211964 Series](#)

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION