



Part Number : 2123300200

Series Number : 212330

Product Category : Antennas

Product Description : Wi-Fi 6E Flex Cabled 4x4 MIMO Antenna, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Status : Active

Documents & Resources

Drawings

Drawing 2123300200_sd.pdf

Packaging Design Drawing 2123300100-001.pdf

3D Models and Design Files

3D Model 2123300200_stp.zip

Specifications

Application Specification 2123300100-000.pdf

Product Specification 2123300100-001.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(2024)4144-DC (27 June 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	212330
Description	Wi-Fi 6E Flex Cabled 4x4 MIMO Antenna, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Family	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz Flexible Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	193264251049

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	Cable
Peak Gain (dBi)	0.1 @ 2.4G, 4.3 @ 5G (Port 3), 1.0 @ 2.4G, 2.9 @ 5G (Port 2), 1.6 @ 2.4G, 2.3 @ 5G (Port 1), 3.2 @ 2.4G, 3.9 @ 5G (Port 4)
Return Loss - S11 (dB)	< -5 < -10 (Port 1), < -5 < -10 (Port 4), < -5 < -9 (Port 2), < -5 < -9 (Port 3)
Total Efficiency	>40%@2.4GHz,>50%@5GHz (Port 3), >45%@2.4GHz,>45%@5GHz (Port 2), >50%@2.4GHz,>45%@5GHz (Port 1), >65%@2.4GHz,>45%@5GHz (Port 4)

Physical

Cable Length	200.00mm
Length	70.00mm
Mounting Style	Adhesive
Net Weight	3.575/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	20.00mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height	<u>734120110</u>