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Part Number:

2123300100

Status:

Active

Overview:

Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee

Description:

2.4GHz / 5GHz MIMO 4x4 Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Documents:

Drawing (PDF)

Product Specification 2123300100-001 (PDF)

Application Specification 2123300100-000 (PDF)

Packaging Specification 2123300100-001 (PDF)

RoHS Certificate of Compliance (PDF)

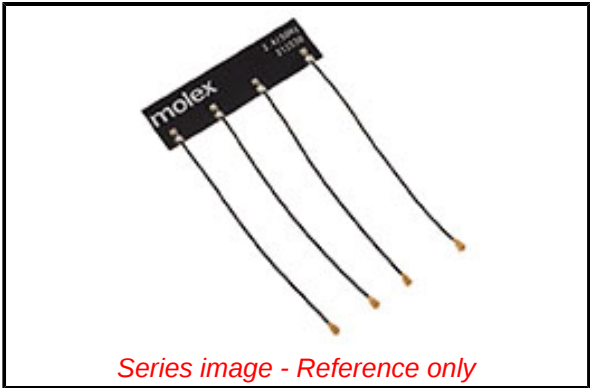
General	
Product Family	Antennas
Series	212330
Component Type	Flexible Antenna with Cable
Datasheet Order No	987651-6901
Function	Signal
Mates With	734120110 Microcoaxial RF, 50 Ohm
Overview	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz Flexible Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Zigbee
Type	Wi-Fi Antenna
UPC	193264251025

Physical	
Cable Length	100.00mm
Length	70.00mm
Mounting Style	Adhesive
Net Weight	2.365/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	20.00mm

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)	2.4 @ 2.4G, 3.3 @ 5G (Port 1), 2.6 @ 2.4G, 2.3 @ 5G (Port 2), 3.0 @ 2.4G, 3.4 @ 5G (Port 3), 3.5 @ 2.4G, 3.9 @ 5G (Port 4)
Return Loss - S11 (dB)	< -10 (Port 1), < -10 (Port 3), < -10 (Port 4), < -10 < -9 (Port 2)
Total Efficiency	>50%@2.4GHz,>70%@5GHz (Port 3), >55%@2.4GHz,>65%@5GHz (Port 2), >55%@2.4GHz,>65%@5GHz (Port 4), >55%@2.4GHz,>70%@5GHz (Port 1)

Material Info

Reference - Drawing Numbers	
Application Specification	2123300100-000
Packaging Specification	2123300100-001
Product Specification	2123300100-001



EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - ED/71/2019 (16 July 2019)	
Halogen-Free	
Status	
Low-Halogen	
For more information, please visit Contact US	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

212330 Series

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