



Part Number : [2140610150](#)

Series Number : 214061

Product Category : Antennas

Product Description : 2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Status : Active

Documents & Resources

Drawings

[Drawing 2140610150_sd.pdf](#)

[Packaging Design Drawing 2140610150-001.pdf](#)

3D Models and Design Files

[3D Model 2140610150_stp.zip](#)

[HFSS Model 214061_HFSS.zip](#)


Specifications

[Application Specification 2140610150-AS.pdf](#)

[Product Specification 2140610150-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	214061
Description	2.4GHz / 5GHz Wi-Fi On-Metal Antenna, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	On-metal Antenna with Cable
Function	Signal
Product Family	Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee
Product Name	2.4/5GHz On-Metal Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	193264608393

Electrical

Band#1 F_End (MHz)	2485
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5850
Band#2 F_Start (MHz)	5150
Electrical Connectivity	Cable
Peak Gain (dBi)	3.8 @ 2.4 GHz, 6.4 @ 5 GHz
Return Loss - S11 (dB)	< -6, < -9
Total Efficiency	>55% @ 5 GHz, >60% @2.4 GHz

Physical

Cable Length	150.00mm
Length	20.20mm
Mounting Style	Adhesive

Net Weight	1.560/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	3.50mm
Width	20.20mm

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