

Part Number : [2069950150](#)

Product Description : 2.4GHz / 5GHz Wi-Fi PCB

Antenna for Metal Surfaces, 20.50mm Width,
150.00mm Cable Length, Compatible with U.FL / I-PEX
MHF Connectors

Series Number : 206995

Status : Obsolete

Product Category : Antennas



Documents and Resources

Drawings

[2069950150-PK.pdf](#)


Specifications

[2069950150-AS.pdf](#)

[2069950150-PS.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D

- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Obsolete
Category	Antennas
Series	206995
Description	2.4GHz / 5GHz Wi-Fi PCB Antenna for Metal Surfaces, 20.50mm Width, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Comments	Size of replacement part, 2140610150, is slightly smaller, feed point from middle to corner
Component Type	PCB Antenna with Cable
Function	Signal
Product Name	2.4/5GHz PCB Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Wi-Fi Antenna
UPC	191130042098

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)	2.6 @ 2.4 GHz, 3.4 @ 5 GHz
Return Loss - S11 (dB)	< -10, < -8.5

Total Efficiency	>55% @2.4 GHz, >71% @ 5 GHz
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Physical

Cable Length	150.00mm
Length	20.50mm
Mounting Style	Adhesive
Net Weight	3.348/g
Packaging Type	Tray
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	3.00mm
Width	20.50mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms	<u>734120110</u>

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