



Part Number : 1461530050

Series Number : 146153
Product Category : Antennas

Product Description : Wi-Fi 6E Flex Cabled
Balanced Antenna, 9.00mm Width, 50.00mm
Cable Length, Compatible with U.FL / I-PEX
MHF Connectors
Status : Active

Documents & Resources

Drawings
Drawing 1461530050_sd.pdf
Packaging Design Drawing 1461530100-000.pdf

3D Models and Design Files
3D Model 1461530050_stp.zip

Specifications
Application Specification AS-146153-100-001.pdf
Product Specification PS-146153-100-001.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	146153
Description	Wi-Fi 6E Flex Cabled Balanced Antenna, 9.00mm Width, 50.00mm 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 Balanced Flex Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	889056310000

Electrical

Band#1 F_End (MHz)	2483.5
Band#1 F_Start (MHz)	2400
Band#2 F_End (MHz)	5930
Band#2 F_Start (MHz)	4900
Electrical Connectivity	Cable
Peak Gain (dBi)	3.2 @ 2.4 GHz, 4.25 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>78% @2.4 GHz, >79% @ 5 GHz

Physical

Cable Length	50.00mm
Length	34.90mm
Mounting Style	Adhesive

Net Weight	0.380/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	9.00mm

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>