



Part Number : 1461531200

Series Number : 146153
Product Category : Antennas

Product Description : Wi-Fi 6E Flex Cabled
Balanced Antenna, 9.00mm Width, 200.00mm
Cable Length, Compatible with I-PEX MHF4
Connectors
Status : Active

Documents & Resources

Drawings

Drawing 1461531200_sd.pdf
Packaging Design Drawing 1461530100-000.pdf

3D Models and Design Files


3D Model 1461531200_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(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	146153
Description	Wi-Fi 6E Flex Cabled Balanced Antenna, 9.00mm Width, 200.00mm Cable Length, Compatible with I-PEX MHF4 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	191128463263

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)	2.6 @ 2.4 GHz, 3.5 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>66% @ 5 GHz, >69% @ 2.4 GHz

Physical

Cable Length	200.00mm
Length	34.90mm

Mounting Style	Adhesive
Net Weight	0.833/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	9.00mm

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