



Part Number : [2042811250](#)
Product Description : Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 250.00mm Cable Length, Compatible with I-PEX MHF4 Connectors
Series Number : 204281
Status : Active
Product Category : Antennas



Documents & Resources

Drawings
[2042811250_sd.pdf](#)
[2042810100-PK.pdf](#)

3D Models and Design Files
[2042811250_stp.zip](#)

Specifications
[2042810100-AS.pdf](#)
[2042810100-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	Contains 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one per D(2024)7663-DC (21 Jan 2025)
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	204281
Description	Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 250.00mm Cable Length, Compatible with I-PEX MHF4 Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Name	2.4/5GHz Wi-Fi Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	191128462556

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)	1.4 @ 2.4 GHz, 2.5 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>58% @2.4 GHz, >62% @ 5 GHz

Physical

Cable Length	250.00mm
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Length	35.00mm
Mounting Style	Adhesive
Net Weight	1.136/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	11.00mm

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