



Part Number : [2042811300](#)
Product Description : Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 300.00mm Cable Length, Compatible with I-PEX MHF4 Connectors
Series Number : 204281
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[Drawing 2042811300_sd.pdf](#)
[Packaging Design Drawing 2042810100-PK.pdf](#)

3D Models and Design Files

[3D Model 2042811300_stp.zip](#)

Specifications

[Application Specification 2042810100-AS.pdf](#)
[Product Specification 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(2023)3788-DC (14 Jun 2023)
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, 300.00mm 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 Wi-Fi Antenna
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	191128462563

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)	1.2 @ 2.4 GHz, 2.3 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>55% @2.4 GHz, >60% @ 5 GHz

Physical

Cable Length	300.00mm
Length	35.00mm
Mounting Style	Adhesive
Net Weight	1.274/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	11.00mm