Part Number : 2042810150
Product Description : Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 204281
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

2042810150_sd.pdf

2042810100-PK.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

2042810100-AS.pdf

2042810100-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	Contains 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 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	Active
Category	Antennas
Series	204281
Description	Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF 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	191128324502

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)	1.8 @ 2.4 GHz, 3.1 @ 5 GHz
Return Loss - S11 (dB)	< -10
Total Efficiency	>63% @ 2.4 GHz, >66% @ 5 GHz

Physical

Cable Length	150.00mm
Length	35.00mm
Mounting Style	Adhesive
Net Weight	0.818/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	11.00mm

Mates With / Use With

Mates with Part(s)

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