



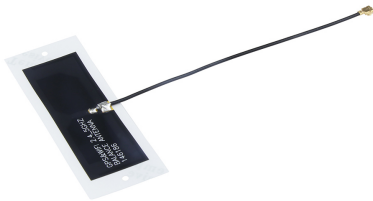
Part Number : [1461860150](#)

Product Description : Wi-Fi 6E+GNSS Flex
Cabled Balanced Antenna, 18.00mm Width,
150.00mm Cable Length, Compatible with
U.FL / I-PEX MHF Connectors

Series Number : 146186

Status : Active

Product Category : Antennas



Documents & Resources

Drawings

- [1461860150_sd.pdf](#)
- [1461860100-000.pdf](#)

3D Models and Design Files


- [1461860150_stp.zip](#)

Specifications

- [AS-146186-100-001.pdf](#)
- [PS-146186-100-001.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)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	146186
Description	Wi-Fi 6E+GNSS Flex Cabled Balanced Antenna, 18.00mm Width, 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 GPS-Wi-Fi Antenna
Protocol	BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Combo Wi-Fi/GNSS Antenna
UPC	889056433624

Electrical

Band#1 F_End (MHz)	1602
Band#1 F_Start (MHz)	1575.42
Band#2 F_End (MHz)	2483.5
Band#2 F_Start (MHz)	2400
Band#3 F_End (MHz)	5850
Band#3 F_Start (MHz)	5150
Band#4 F_End (MHz)	6000
Band#4 F_Start (MHz)	3000
Electrical Connectivity	Cable
Peak Gain (dBi)	2.85 @ 1575 MHz, 2.85 @ 2.4 GHz, 3.75 @ 5 GHz, 4.5 @ 3 GHz
Return Loss - S11 (dB)	< -10

Total Efficiency	>66% @ 5 GHz, >68% @ 1575 MHz, >72% @2.4 GHz, >75% @ 3 GHz
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Physical

Cable Length	150.00mm
Length	53.00mm
Mounting Style	Adhesive
Net Weight	1.043/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	18.00mm

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>

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