



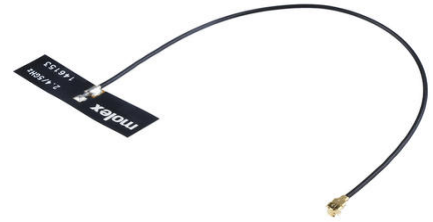
Part Number : [1461530150](#)

Product Description : Wi-Fi 6E Flex Cabled Balanced Antenna, 9.00mm Width, 150.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Series Number : 146153

Status : Active

Product Category : Antennas



Documents and Resources

Drawings

[1461530150_sd.pdf](#)

[1461530100-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


Specifications

[AS-146153-100-001.pdf](#)

[PS-146153-100-001.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 | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| 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 | 146153 |
| Description | Wi-Fi 6E Flex Cabled Balanced Antenna, 9.00mm 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 Balanced Flex Antenna |
| Protocol | BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee |
| Type | Internal, Wi-Fi Antenna |
| UPC | 889056310826 |

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) | 2.8 @ 2.4 GHz, 3.7 @ 5 GHz |
| Return Loss - S11 (dB) | < -10 |
| Total Efficiency | >70% @ 5 GHz, >72% @2.4 GHz |

Physical

| | |
|-------------------|-----------------|
| Cable Length | 150.00mm |
| Length | 34.90mm |
| Mounting Style | Adhesive |
| Net Weight | 0.620/g |
| Packaging Type | PET Film |
| Polarization | Linear |
| Radiation Pattern | Omnidirectional |
| Thickness | 0.10mm |
| Width | 9.00mm |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|------------------|
| MCRF Jack, Straight, PCB Receptacle, Surface Mount, 1.25mm Mounted Height, 50 Ohms | <u>734120110</u> |

This document was generated on May 20, 2026