



**Part Number :** [1461531200](#)  
**Product Description :** Wi-Fi 6E Flex Cabled  
Balanced Antenna, 9.00mm Width, 200.00mm  
Cable Length, Compatible with I-PEX MHF4  
Connectors  
**Series Number :** 146153  
**Status :** Active  
**Product Category :** Antennas



## Documents & Resources

**Drawings**  
[1461531200\\_sd.pdf](#)  
[1461530100-000.pdf](#)

**3D Models and Design Files**  
[1461531200\\_stp.zip](#)

**Specifications**  
[AS-146153-100-001.pdf](#)  
[PS-146153-100-001.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)6225-DC (07 Nov 2024)                                        |
| 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

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### Part Details

#### General

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                            |
| Category       | Antennas                                                                                                          |
| Series         | 146153                                                                                                            |
| Description    | Wi-Fi 6E Flex Cabled Balanced Antenna, 9.00mm Width, 200.00mm Cable Length, Compatible with I-PEX MHF4 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            | 191128463263                                                                                                      |

#### 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)         | 2.6 @ 2.4 GHz, 3.5 @ 5 GHz   |
| Return Loss - S11 (dB)  | < -10                        |
| Total Efficiency        | >66% @ 5 GHz, >69% @ 2.4 GHz |

#### Physical

|              |          |
|--------------|----------|
| Cable Length | 200.00mm |
| Length       | 34.90mm  |

|                   |                 |
|-------------------|-----------------|
| Mounting Style    | Adhesive        |
| Net Weight        | 0.833/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |
| Thickness         | 0.10mm          |
| Width             | 9.00mm          |