



**Part Number :** 2042811250  
**Product Description :** Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 250.00mm Cable Length, Compatible with I-PEX MHF4 Connectors  
**Series Number :** 204281  
**Status :** New Business Not Supported  
**Product Category :** Antennas



Documents & Resources

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         | New Business Not Supported                                                                                   |
| Category       | Antennas                                                                                                     |
| Series         | 204281                                                                                                       |
| Description    | Wi-Fi 6E Flex Cabled Side-Fed Balanced Antenna, 250.00mm 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            | 191128462556                                                                                                 |

## 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)         | 1.4 @ 2.4 GHz, 2.5 @ 5 GHz  |
| Return Loss - S11 (dB)  | < -10                       |
| Total Efficiency        | >58% @2.4 GHz, >62% @ 5 GHz |

## Physical

|                   |                 |
|-------------------|-----------------|
| Cable Length      | 250.00mm        |
| Length            | 35.00mm         |
| Mounting Style    | Adhesive        |
| Net Weight        | 1.136/g         |
| Packaging Type    | PET Film        |
| Polarization      | Linear          |
| Radiation Pattern | Omnidirectional |

|           |         |
|-----------|---------|
| Thickness | 0.10mm  |
| Width     | 11.00mm |

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