



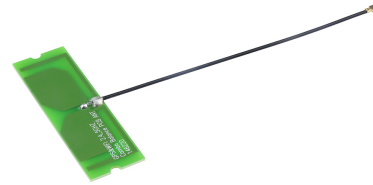
Part Number : 1462200200

Product Description : Wi-Fi 6E+GNSS PCB Cabled Balanced Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors

Series Number : 146220

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 | 146220 |
| Description | Wi-Fi 6E+GNSS PCB Cabled Balanced Antenna, 16.60mm Width, 200.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors |
| Component Type | PCB Antenna with Cable |
| Function | Signal |
| Product Family | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee |
| 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 | 889056569682 |

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) | 2.1 @ 1575 MHz, 2.6 @ 2.4 GHz, 3.0 @ 3 GHz, 3.3 @ 5 GHz |
| Return Loss - S11 (dB) | < -8 |
| Total Efficiency | >69% @ 3 GHz, >73% @ 5 GHz, >74% @ 2.4 GHz, >76% @ 1575 MHz |

Physical

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

| | |
|-------------------|-----------------|
| Length | 53.50mm |
| Mounting Style | Screw-Nut |
| Net Weight | 2.105/g |
| Packaging Type | PET Film |
| Polarization | Linear |
| Radiation Pattern | Omnidirectional |
| Thickness | 0.81mm |
| Width | 16.60mm |

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