



Part Number : 2196110300

Product Description : Wi-Fi 6E Low Gain Flex Antenna, 15.40mm Width, 300.00mm Cable Length, Compatible with U.FL/ MHF Connectors

Series Number : 219611

Status : Active

Product Category : Antennas

Documents & Resources

Drawings

Drawing 2196110300_sd.pdf

Packaging Design Drawing 2196110100-001.pdf


Specifications

Application Specification 2196110100-000.pdf

Product Specification 2196110100-001.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(2023)8585-DC (23 Jan 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)

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | Antennas |
| Series | 219611 |
| Description | Wi-Fi 6E Low Gain Flex Antenna, 15.40mm Width, 300.00mm Cable Length, Compatible with U.FL/ MHF Connectors |
| Component Type | Flexible Antenna with Cable |
| Function | Signal |
| Product Family | Internet of Things (IoT) Antennas: Wi-Fi, Bluetooth, Zigbee |
| Product Name | Wi-Fi 6E Low Gain Flex Antenna |
| Protocol | BLE, BT, Wi-Fi, Wireless Hart, Zigbee |
| Type | Internal, Wi-Fi Antenna |
| UPC | 195842855199 |

Electrical

| | |
|-------------------------|--|
| Band#1 F_End (MHz) | 2500 |
| Band#1 F_Start (MHz) | 2400 |
| Band#2 F_End (MHz) | 5850 |
| Band#2 F_Start (MHz) | 5150 |
| Band#3 F_End (MHz) | 7125 |
| Band#3 F_Start (MHz) | 5925 |
| Electrical Connectivity | Cable |
| Peak Gain (dBi) | 1.8 @ 2.4 GHz, 2.3 @ 5 GHz, 2.5 @ 5 GHz |
| Return Loss - S11 (dB) | < -10 |
| Total Efficiency | >55% @ 5.9 GHz, >59% @ 5 GHz, >63% @ 2.4 GHz |

Physical

| | |
|--------------|----------|
| Cable Length | 300.00mm |
| Length | 35.40mm |

| | |
|-------------------|-----------------|
| Mounting Style | Adhesive |
| Net Weight | 1.268/g |
| Packaging Type | PET Bag |
| Polarization | Linear |
| Radiation Pattern | Omnidirectional |
| Width | 15.40mm |

This document was generated on Jun 05, 2024