Part Number : 2066400001
Product Description : GNSS Active Patch Antenna with Low-Noise Amplifier (LNA), 60.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Series Number : 206640
Status : Active
Product Category : Antennas

## Documents & Resources

### Drawings
2066400001_sd.pdf
2066400001-PK.pdf

### 3D Models and Design Files
2066400001_stp.zip

### Specifications
2066400001-AS.pdf
2066400001-PS.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)7663-DC (21 Jan 2025) |
| EU RoHS | Compliant with Exemption 7(c)-I 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 | Active |
| Category | Antennas |
| Series | 206640 |
| Description | GNSS Active Patch Antenna with Low-Noise Amplifier (LNA), 60.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors |
| Comments | Antenna Peak Gain: 4.5 dBic based on 7 by 7cm ground plane;  LNA Gain: 28 ± 3dB |
| Component Type | Patch Antenna with Cable |
| Function | Signal |
| Product Name | GNSS Active Patch |
| Protocol | BeiDou, Galileo, GLONASS, GPS |
| Type | GNSS Antenna, Internal |
| UPC | 191128769167 |

### Electrical

| | |
|---|---|
| Band#1 F_End (MHz) | 1564 |
| Band#1 F_Start (MHz) | 1558 |
| Band#2 F_End (MHz) | 1578 |
| Band#2 F_Start (MHz) | 1572 |
| Band#3 F_End (MHz) | 1607 |
| Band#3 F_Start (MHz) | 1597 |
| Electrical Connectivity | Cable |
| Peak Gain (dBi) | See Comments |
| Return Loss - S11 (dB) | < -8 |
| Total Efficiency | N/A |

### Physical

| | |
|---|---|
| Cable Length | 60.00mm |
| Length | 25.00mm |
| Mounting Style | Adhesive |
| Net Weight | 12.166/g |
| Packaging Type | Tray |
| Polarization | Right Handed Circular |
| Radiation Pattern | Directional |
| Thickness | 6.50mm |
| Width | 25.00mm |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| 50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height | 734120110 |

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