



Part Number : [2122030001](#)

Series Number : 212203

Product Category : Antennas

Product Description : GPS L1/L5 25.00mm
Stacked Patch Antenna

Status : Active

Documents & Resources

Drawings

[Drawing 2122030001_sd.pdf](#)

[Packaging Design Drawing 2122030001-001.pdf](#)

3D Models and Design Files

[3D Model 2122030001_stp.zip](#)

Specifications

[Application Specification 2122030001-000.pdf](#)

[Product Specification 2122030001-001.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

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | Antennas |
| Series | 212203 |
| Description | GPS L1/L5 25.00mm Stacked Patch Antenna |
| Component Type | Surface Mount Device Antenna |
| Function | Signal |
| Product Family | GNSS/GPS Antennas |
| Product Name | Stacked Patch GPS Antenna |
| Protocol | GPS |
| Type | GPS Antenna, Internal |
| UPC | 193264067008 |

Electrical

| | |
|-------------------------|----------------------------------|
| Band#1 F_End (MHz) | 1181 |
| Band#1 F_Start (MHz) | 1171 |
| Band#2 F_End (MHz) | 1580 |
| Band#2 F_Start (MHz) | 1570 |
| Electrical Connectivity | SMD |
| Peak Gain (dBi) | 3.1 @ 1176 MHz, 4.9 @ 1575 MHz |
| Return Loss - S11 (dB) | < -15, < -20 |
| Total Efficiency | >65% @ 1176 MHz, >75% @ 1575 MHz |

Physical

| | |
|----------------|-------------------------|
| Length | 25.00mm |
| Mounting Style | Adhesive, Surface Mount |
| Net Weight | 17.414/g |
| Packaging Type | Tray |
| Polarization | Right Handed Circular |

| | |
|-------------------|-----------------|
| Radiation Pattern | Omnidirectional |
| Thickness | 8.00mm |
| Width | 25.00mm |

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