



Part Number : [2042860001](#)

Product Description : Ceramic GPS/BeiDou/
GLONASS Antenna

Series Number : 204286

Status : Active

Product Category : Antennas



Documents and Resources

Drawings

[2042860001_sd.pdf](#)

[2042860001-PK.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


Specifications

[2042860001-AS.pdf](#)

[2042860001-PS.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 47; 33 |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|------------------------------------|
| Status | Active |
| Category | Antennas |
| Series | 204286 |
| Description | Ceramic GPS/BeiDou/GLONASS Antenna |
| Component Type | Surface Mount Device Antenna |
| Function | Signal |
| Product Name | Ceramic GPS/BeiDou/GLONASS |
| Protocol | BeiDou, Galileo, GLONASS, GPS |
| Type | GNSS Antenna, Internal |
| UPC | 191128317368 |

Electrical

| | |
|-------------------------|------|
| Band#1 F_End (MHz) | 1566 |
| Band#1 F_Start (MHz) | 1556 |
| Band#2 F_End (MHz) | 1580 |
| Band#2 F_Start (MHz) | 1570 |
| Band#3 F_End (MHz) | 1607 |
| Band#3 F_Start (MHz) | 1597 |
| Electrical Connectivity | SMD |

| | |
|------------------------|---|
| Peak Gain (dBi) | 5.2 @ 1561 MHz, 5.4 @ 1575 MHz, 5.6 @ 1602 MHz |
| Return Loss - S11 (dB) | < -10 |
| Total Efficiency | >70% @ 1575 MHz, >70% @ 1561 MHz, >75% @ 1602 MHz |

Physical

| | |
|-------------------|-------------------------|
| Cable Length | N/A |
| Length | 25.00mm |
| Mounting Style | Adhesive, Surface Mount |
| Net Weight | 9.209/g |
| Packaging Type | Tray |
| Polarization | Elliptic |
| Radiation Pattern | Omnidirectional |
| Thickness | 4.00mm |
| Width | 25.00mm |

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