



Part Number : [2042860001](#)  
Product Description : Ceramic  
GPS/BeiDou/GLONASS Antenna  
Series Number : 204286  
Status : Active  
Product Category : Antennas



---

## Documents & Resources

### Drawings

[Drawing 2042860001\\_sd.pdf](#)  
[Packaging Design Drawing 2042860001-PK.pdf](#)

### 3D Models and Design Files

[3D Model 2042860001\\_stp.zip](#)


### Specifications

[Application Specification 2042860001-AS.pdf](#)  
[Product Specification 2042860001-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(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	Active
Category	Antennas
Series	204286
Description	Ceramic GPS/BeiDou/GLONASS Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Family	GNSS/GPS Antennas
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

---

This document was generated on Feb 23, 2024