Part Number : 2042860001
Product Description : Ceramic GPS/BeiDou/ GLONASS Antenna
Series Number : 204286
Status : Active
Product Category : Antennas



Documents & 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)4165-DC (25 June 2025)
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