

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [2042860001](#)  
**Status:** **Active**  
**Overview:** [Antennas](#)  
**Description:** Ceramic GPS/BeiDou/GLONASS Antenna

**Documents:**  
[Drawing \(PDF\)](#)  
[Product Specification 2042860001-PS \(PDF\)](#)  
[Application Specification 2042860001-AS \(PDF\)](#)  
[Packaging Specification 2042860001-PK \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)  
[Product Literature \(PDF\)](#)

**General**  
Product Family Antennas  
Series [204286](#)  
Component Type Surface Mount Device Antenna  
Overview [Antennas](#)  
Product Literature Order No 987651-5071  
Product Name Ceramic GPS/BeiDou/GLONASS  
Protocol BeiDou, Galileo, GLONASS, GPS  
Type GNSS Antenna  
UPC 191128317368

**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

**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  
Impedance 50Ω  
Number of Bands 3  
Peak Gain (dBi) 5.2 @ 1561M, 5.4 @ 1575M, 5.6 @ 1602M  
Return Loss - S11 (dB) < -10  
Total Efficiency >70% @ 1575M, >70% @ 1561M, >75% @ 1602M

**Material Info**

**Reference - Drawing Numbers**  
Application Specification 2042860001-AS  
Packaging Specification 2042860001-PK  
Product Specification 2042860001-PS  
Sales Drawing 2042860001-000



Series image - Reference only

**EU ELV**  
**Not Relevant**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/30/2017 (7 July<br>2017)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br><b>Need more information on product<br/>environmental compliance?</b><br><br>Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any<br>non-product compliance questions. | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS Green Image<br>ELV Not Relevant<br>RoHS Phthalates Not Contained |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

**Search Parts in this Series**  
[204286](#) Series

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION