

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2042830001](#)  
**Status:** **Active**  
**Overview:** [Antennas](#)  
**Description:** Low-Profile GNSS Ceramic Antenna

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 2042830001-PK (PDF)</a>
<a href="#">Product Specification 2042830001-PS (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 2042830001-AS (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**General**

Product Family	Antennas
Series	<a href="#">204283</a>
Component Type	Surface Mount Device Antenna
Overview	<a href="#">Antennas</a>
Product Literature Order No	987651-5071
Product Name	Low-Profile GNSS Ceramic
Protocol	BeiDou, Galileo, GLONASS, GPS
Type	GNSS Antenna
UPC	191128324984

**Physical**

Cable Length	N/A
Length	3.20mm
Mounting Style	Surface Mount
Net Weight	0.022/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	1.10mm
Width	1.60mm

**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)	1.5 @ 1561M, 1.6 @ 1602M, 2.0 @ 1575M
Return Loss - S11 (dB)	< -10, < -8
Total Efficiency	>60% @ 1561M, >60% @ 1602M, >65% @ 1575M

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2042830001-AS
Packaging Specification	2042830001-PK
Product Specification	2042830001-PS
Sales Drawing	2042830001-SD



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
ED/01/2018 (15  
January 2018)  
2,4-Di-tert-butyl-6-(5-  
chlorobenzotriazol-2-  
yl)p

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[204283](#) Series