

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

**Part Number:** [2122030001](#)  
**Status:** **Active**  
**Overview:** GNSS/GPS Antennas  
**Description:** GPS L1/L5 25.00mm Stacked Patch Antenna

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 2122030001-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification 2122030001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 2122030001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Antennas
Series	<a href="#">212203</a>
Component Type	Surface Mount Device Antenna
Function	Signal
Overview	<a href="#">GNSS/GPS Antennas</a>
Product Name	Stacked Patch GPS Antenna
Protocol	GPS
Type	GPS Antenna
UPC	193264067008

**Physical**

Length	25.00mm
Mounting Style	Adhesive, Surface Mount
Net Weight	17.414/g
Packaging Type	Tray
Polarization	Right Handed Circular
Radiation Pattern	Omnidirectional
Thickness	8.00mm
Width	25.00mm

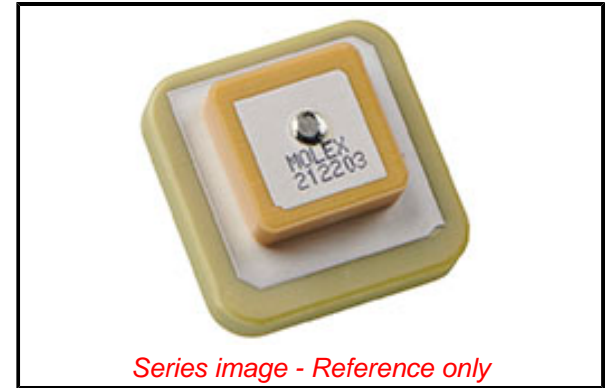
**Electrical**

Band#1 F_End (MHz)	1181
Band#1 F_Start (MHz)	1171
Band#2 F_End (MHz)	1580
Band#2 F_Start (MHz)	1570
Electrical Connectivity	SMD
Peak Gain (dBi)	3.1 @ 1176 MHz, 4.9 @ 1575 MHz
Return Loss - S11 (dB)	< -15, < -20
Total Efficiency	>65% @ 1176 MHz, >75% @ 1575 MHz

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2122030001-000
Packaging Specification	2122030001-001
Product Specification	2122030001-001
Sales Drawing	2122030001-000



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[212203 Series](#)