

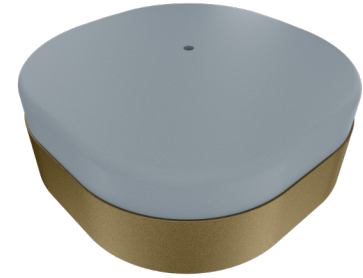
# G5Ant-1XXX series antenna

## Small-footprint penta-band GNSS antenna

The G5Ant-1XXX product family is a small-footprint, multi-frequency antenna that provides assured Global Navigation Satellite Signal (GNSS) signal reception. The Antcom "G5" antenna operates in five frequency bands and includes support for GPS L1, GPS L2, GLONASS L1, GLONASS L2 and L-band.

The product family is available in passive and active (amplified) configurations. The active configurations offer 2-stage integrated bandpass filtering for high out-of-band rejection and limiter diodes to protect sensitive receiver electronics. The passive configurations are best suited to applications where the antenna is located close to the GNSS receiver and offers the lowest insertion loss to minimize the noise figure of your system.

Antcom can customize this product family to meet your specific requirements. Please contact us for more information about customization options.



### Features

- Multi-frequency, multi-constellation for assured GNSS reception
- Passive or active (amplified) configurations available
- Active configurations offer 2-stage integrated bandpass filtering with diode limiters
- Connector options available
- Paint color options available

### Benefits

- Many standard options available and customizable if required

## G5Ant-1XXX

**LNA Gain**  
 A = 33 dB  
 A4 = 40 dB  
 P = Passive

**Color** (per AMS-STD-595)  
 1 = Gloss White #17925  
 2 = Lusterless Gray #36320  
 3 = Camo Green #34094  
 4 = Lusterless Black #37038  
 5 = Desert Tan #33446

**Connector**  
 B = BNC  
 M = MCX  
 MM = MMCX  
 N = Type N  
 NB = Type N bulkhead  
 S = SMA  
 T = TNC  
 TB = TNC bulkhead

## Electrical

### Frequency range

GPS L1	1575.42 ± 12 MHz
GPS L2	1227.60 ± 12 MHz
GLONASS L1	1609 ± 7.0 MHz
GLONASS L2	1252.50 ± 7.5 MHz
Galileo E1	1575.42 ± 17 MHz
BeiDou B1	1561.098 ± 10 MHz
BeiDou B2	1207.14 – 1217.14 MHz
L-band	1545 – 1610 MHz

### VSWR

&lt;2.0:1

### Impedance

50 ohms

### Polarization

RHCP

## Mechanical and environmental

<b>Weight</b> (typical)	3.8 oz (108 g)
<b>Temperature</b>	-55°C to +85°C
<b>Altitude</b>	70,000 ft
<b>Random vibration</b>	>30 G <sub>rms</sub>

## Typical LNA performance

### LNA gain

A option	33 dB
A4 option	40 dB
P option	Passive

### LNA noise figure

3.5 dB

### LNA P1dB out

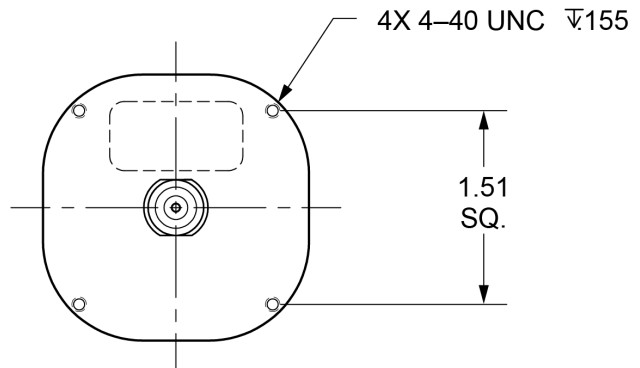
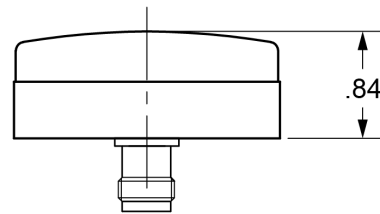
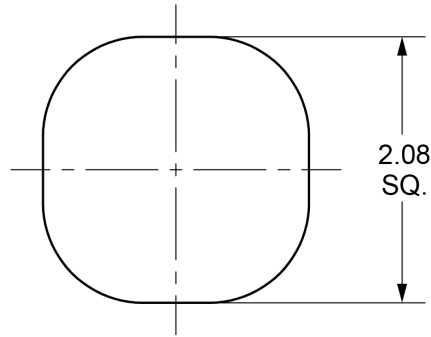
+13 dBm

### Input power

+3.8 to +15.0 VDC  
<70 mA

### Power handling

1 Watt CW



## Contact Hexagon | Antcom

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For the most recent details of this product: antcom.com

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