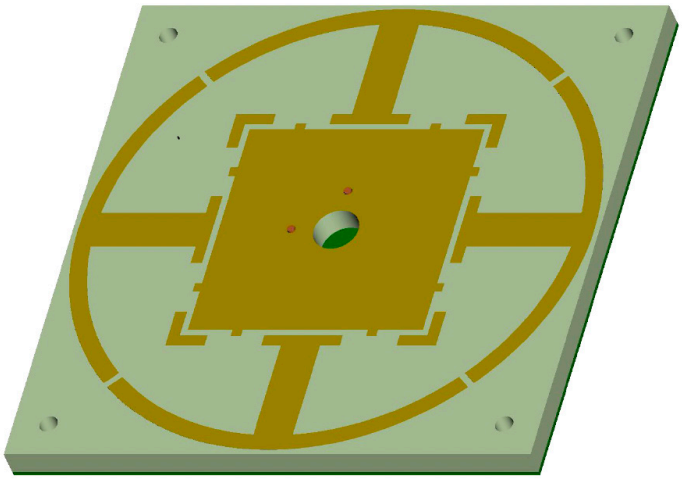
GrAnt-G3-JS

OEM GNSS Antenna



Key Features

- Patented J-Shield Out-of-Band Filtering
- Extended Operating Temperature
- Stable Phase Center
- High Input Power for In-Band Signals

The GrAnt-G3-JS is a lightweight, high-performance OEM GNSS Antenna designed to suppress out-of-band signals for superior GNSS reception.

The patented J-Shield suppression technology protects the central frequencies of GNSS signals to enhance GNSS receiver performance while providing an increased dynamic range for in-band signals.

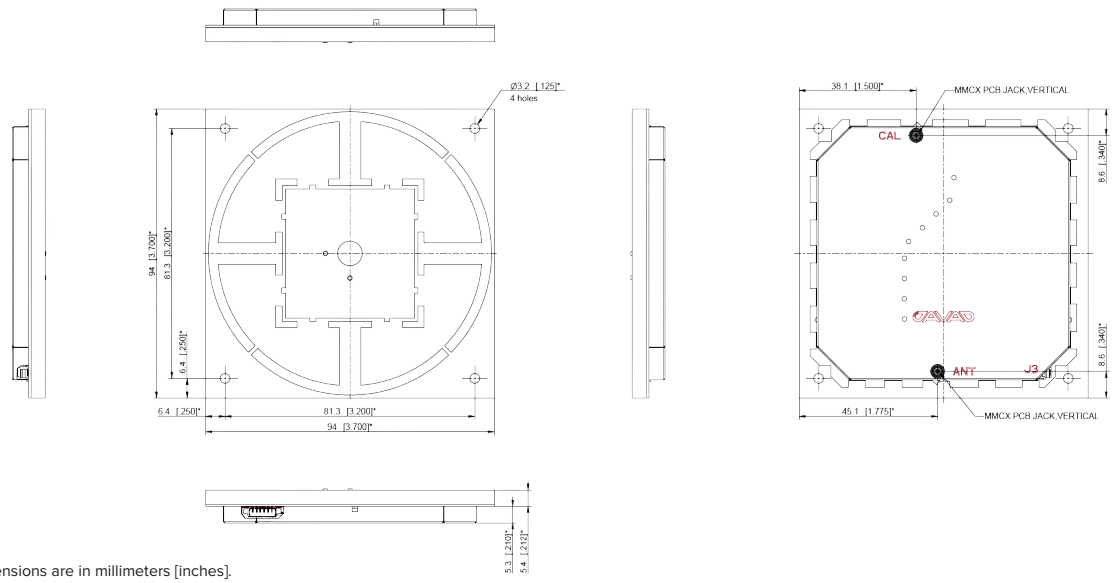
The GrAnt-G3-JS antenna tracks L1 signals from GPS, Galileo, GLONASS, BeiDou, QZSS, NavIC and SBAS signals and delivers only in-band signals to the receiver.

GrAnt-G3-JS Specifications

GNSS Constellations		Channels	Gain*, dB
	GPS	L1	5
	GLONASS	L1	
	Galileo	E1	
	BeiDou	B1C	
	QZSS	L1	
	SBAS	L1	
	NavIC	L1	
Out-of-Band Rejection	1565 – 1610 MHz	>40 dB @ 1615 MHz, >70 dB @ 1620 MHz, >70 dB @ 1555 MHz, >70 dB @ 1560 MHz	
Electrical	Axial Ratio Output	3.0 dB max	
	Output Impedance	50 Ohm	
	Input Power	-50 dBm at 1 dB gain compression	
	LNA Gain	33 ± 3 dB	
	Noise Figure	2.8 dB	
Connector	Antenna Cable	MMCX	
	Mounting	4 holes, D 3.2mm	
Power	Input Voltage	+4.5 to +15 VDC	
	Power Consumption	0.3 W (max)	
	Current	57 mA @ 5.0 VDC typical	
Physical & Environmental	Operating Temperature	-45°C to +85°C	
	Storage Temperature	-50°C to +85°C	
	Dimensions	94 x 94 x 5.4 mm	
	Weight	203 g	
	Shock	MIL-STD-810H Method 516.8 Procedure I	
	Vibration	MIL-STD-810H Method 514.8 Procedure I	

*typical at Zenith

Specifications may be changed without notice.



Dimensions are in millimeters [inches].