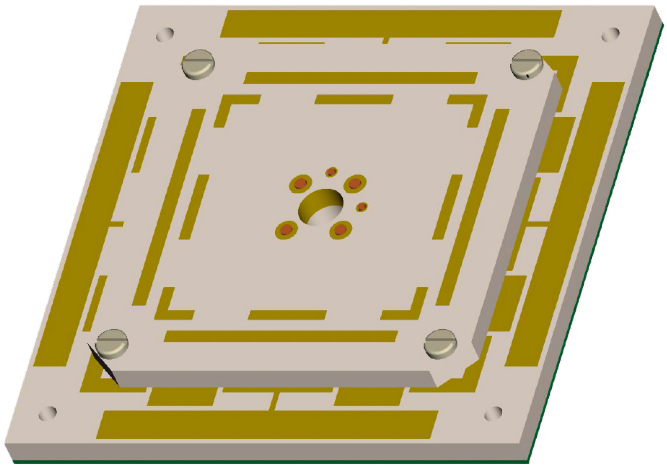
GrAnt-G3T-JS

OEM GNSS Antenna



Key Features

- Patented J-Shield Out-of-Band Filtering
- Extended Operating Temperature
- Stable Phase Center
- Multi-Band, Multi-Signal

The GrAnt-G3T-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.

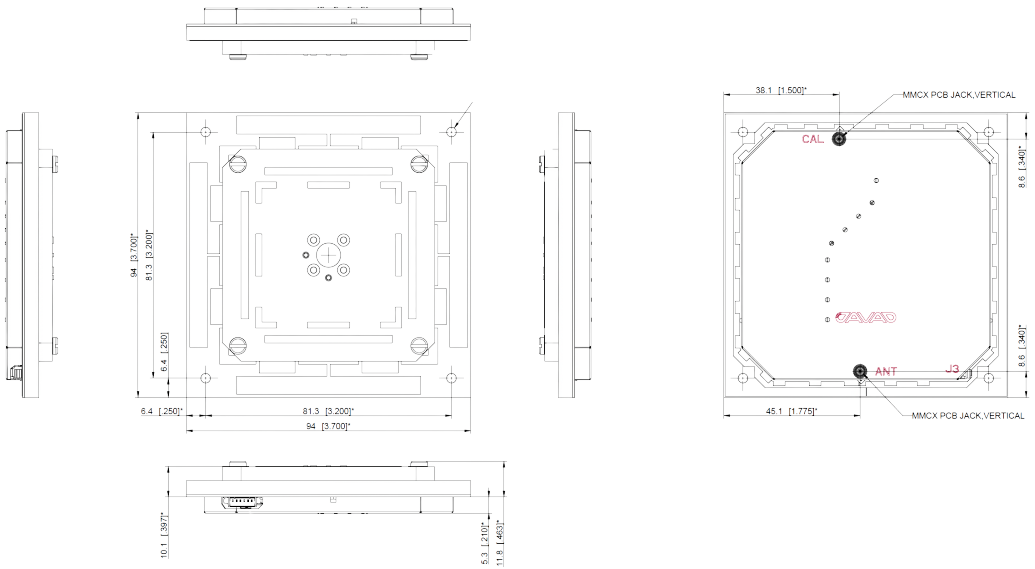
The GrAnt-G3T-JS antenna tracks GPS, Galileo, GLONASS, BeiDou, QZSS, NavIC and SBAS signals and delivers only in-band signals to the receiver.

GrAnt-G3T-JS Specifications

GNSS Constellations		Channels	Gain*, dB	Channels	Gain*, dB
	GPS	L1	5	L2 / L5	4
	GLONASS	L1		L2 / L3	
	Galileo	E1		E5a / E5b	
	BeiDou	B1C		B2A / B2B	
	QZSS	L1		L5	
	SBAS	L1		L5	
	NavIC	L1		L5	
Out-of-Band Rejection	1164 – 1253 MHz	>17 dB @ 1258 MHz, >60 dB @ 1263 MHz, >60 dB @ 1149 MHz, >60 dB @ 1154 MHz			
	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	32 ± 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	0.46 W (max)			
	Current	90 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 11.8 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].