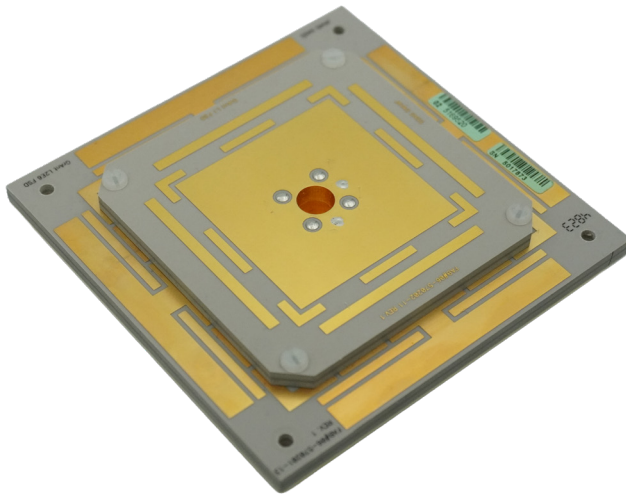




# GrAnt-G2T-JSM

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-G2T-JSM 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-G2T-JSM antenna tracks signals from GPS, Galileo, BeiDou, QZSS, NavIC and SBAS signals and delivers only in-band signals to the receiver.



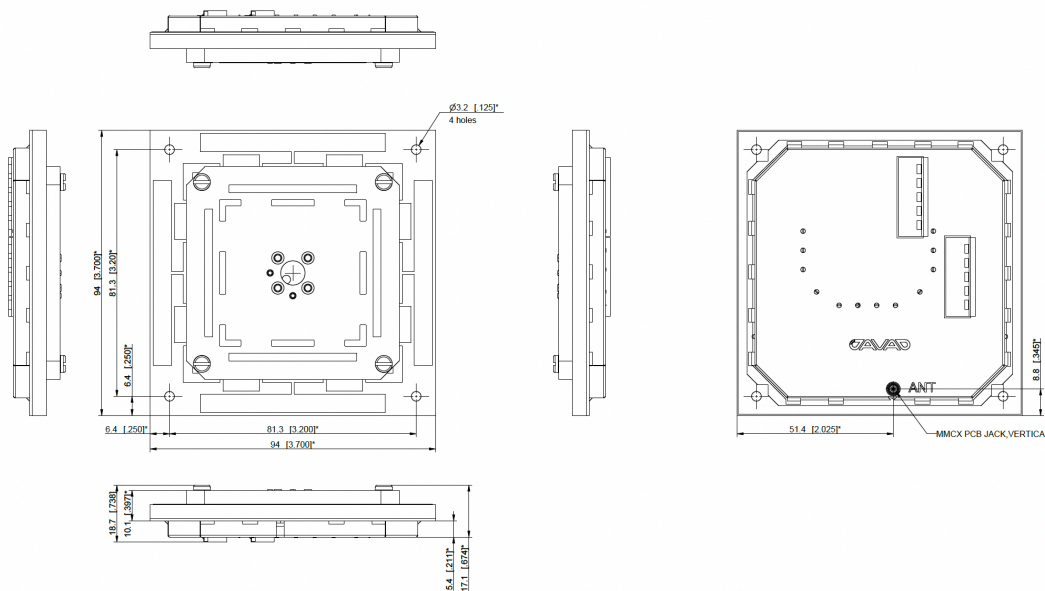
# GrAnt-G2T-JSM Specifications



<b>GNSS Constellations</b>		Channels	Gain*, dB	Channels	Gain*, dB
	GPS	L1	5	L2 / L2C / L5	4
	Galileo	E1		E5a / E5b	
	BeiDou	B1 / B1C		B2A / B2B	
	QZSS	L1		L5	
	SBAS	L1		L5	
	NavIC	L1		L5	
<b>Out-of-Band Rejection</b>	1160–1245 MHz	>10 dB @ 1250 MHz, >21 dB @ 1255 MHz, >34 dB @ 1145 MHz, >17 dB @ 1150 MHz			
	1555–1595 MHz	>13 dB @ 1600 MHz, >33 dB @ 1605 MHz, >27 dB @ 1545 MHz, >10 dB @ 1550 MHz			
<b>Electrical</b>	Axial Ratio Output	3.0 dB max			
	Output Impedance	50 Ohm			
	Input Power	-20 dBm at 1 dB gain compression			
	LNA Gain	38 ± 3 dB			
	Noise Figure	2.8 dB			
<b>Connector</b>	Antenna Cable	MMCX			
	Mounting	4 holes, D 3.2mm			
<b>Power</b>	Input Voltage	+6 to +15 VDC			
	Power Consumption	2.0 W (max)			
	Current	320 mA @ 6.0 VDC typical			
<b>Physical &amp; Environmental</b>	Operating Temperature	-45°C to +85°C			
	Storage Temperature	-50°C to +85°C			
	Dimensions	94 x 94 x 18.7 mm			
	Weight	202 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].