



GrAnt-G2T-JSM

GNSS Antenna



Key Features

- Patented Filtering of Out-of-band Interference
- High input power for in-band signals
- Weatherproof Housing
- Extended Operating Temperature
- Stable Phase Center
- Aluminum Base

The GrAnt-G2T-JSM is a high-performance antenna with additional suppression of out-of-band interference signals. Special patented technology protects GPS L1/ Galileo L1 (3 dB/MHz slope) and GPS L2, GPS L5, and Galileo L5 (1.2 dB/MHz slope), enhancing GNSS receiver performance. Additionally the antenna provides an increased dynamic range for in-band signals.

The antenna can track GPS, Galileo, SBAS and QZSS signals.

GrAnt-G2T-JSM Specifications



GNSS Constellations		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		L2/L2C/L5	
	NavIC	L1		L5 (P+D)	
Out-of-Band Rejection	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			
Electrical	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			
Connector	Antenna Cable	TNC; N type (optional)			
	Mounting	5/8-11 or 1-14 inches mount, or 4 holes M5			
Power	Input Voltage	+6 to +15 VDC			
	Power Consumption	2.0 W (max)			
	Current	320 mA @ 6.0V typical			
Physical & Environmental	Operating Temperature	-45°C to +85°C			
	Storage Temperature	-50°C to +85°C			
	Humidity	Waterproof, 100% non-condensing			
	Ingress Protection	IP68			
	Dimensions	140 x 140 x 62 mm			
	Weight	515 g			
	Material	Radome: ABS, Base: Aluminum			
	Shock	MIL-STD-810H Method 516.8 Procedure I			
	Vibration	MIL-STD-810H Method 514.8 Procedure I			

*typical at Zenith

GNSS performance is dependent on signal quality, satellite geometry, ionospheric and tropospheric conditions, baseline length, multipath effects and RF interference. Specifications may be changed without notice.