

GEOMATE

Premium Surveying. Trusted Solutions



GAT5 Antenna



GAT5 antenna

The GAT5 is a versatile geodetic GNSS antenna designed to match the requirements of any land surveying, construction and engineering applications. With advanced filtering and robust signal tracking capabilities, the GAT5 provides survey-grade GNSS signal to enhance your position accuracy performances.

TECHNICAL SPECIFICATIONS

Singnal Tracking

GPS	L1, L2, L5
GLONASS	L1, L2, L3
BeiDou	B1, B2, B3
Galileo	E1, E5A, E5B, E6
QZSS	L1, L2, L5
IRNSS	L5
SBAS	L1, L5
L-Band	

Performance

Polarization	RHCP
Axial Ratio	≤ 2 dB
Nominallmpedance	50 Ohm
VSWR	≤ 1.5
Gain at Zenith (90°)	1164-1300 MHz: 5.5 dBi (minimum) 1520-1615 MHz: 5 dBi (minimum)
Phase Center Accuracy	± 2 mm
LNA Gain	40 ± 2 dB
Noise Figure	≤ 2.0 dB
Passband Ripple	± 1 dB
Input Voltage	3.3~12V DC
Input Current	≤ 55 mA
Differential Propagation Delay	≤ 5 ns

Mechanical

Dimensions	154 mmx 63 mm(6.1 in x 2.5 in)
Weight	≤ 450 g (15.9 oz)
Connector	TNCFemale
Mountina	5/8" - 11 FemaleThread

Environmental

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Humidity	95% non-condensing
Vibration	MIL-STD-810 G, 514.7
Calibration	NGS
Water/Dust Rating	IP67waterproof and dustproof
Drop Test	Survive a 2 m (6.56ft) drop onto concrete

*All specifications are subject to change without notice.