



# GrAnt-3L

GNSS Antenna



## Key Features

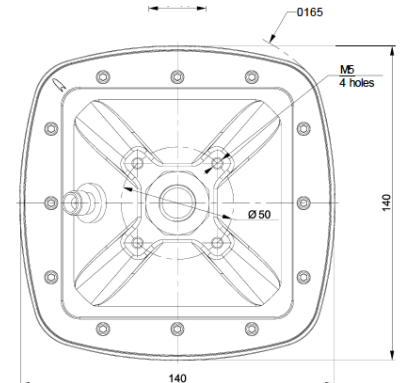
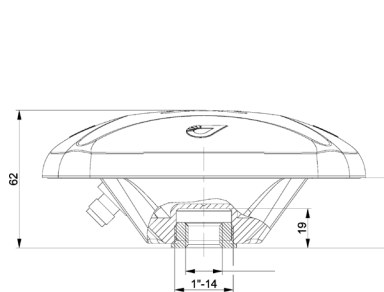
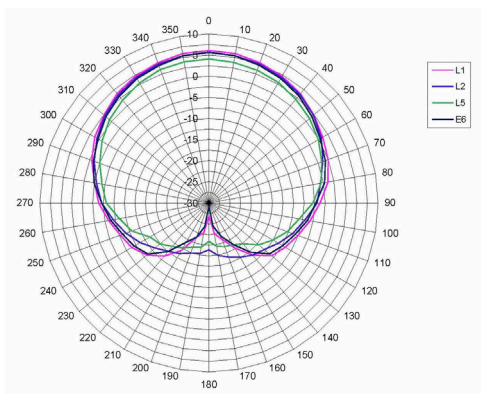
- All GNSS Constellations
- Weatherproof Housing
- Extended Operating Temperature
- Stable Phase Center
- Tracking To Horizon
- Aluminum Base

The GrAnt-3L is wide-band antenna with full GNSS spectrum compatibility to track GPS, GLONASS, Galileo, BeiDou, QZSS, WAAS, EGNOS, MSAS, GAGAN and L-Band signals. The GrAnt-3L features a stable phase center with enhanced signal reception and is ideal for high precision positioning using L-Band corrections. With a durable IP68 housing, the GrAnt-3L is suitable for a wide variety of applications.

# GrAnt-3L Specifications



<b>GNSS</b>	Constellations	GPS L1/L2/L2C/L5 GLONASS L1/L2/L3 GALILEO E1/E2/E5ab/E6 BEIDOU B1/B2/B3 QZSS L1/L2/L2C/L5/LEX WAAS L1/L5, EGNOS, MSAS, GAGAN IRNSS L5 L-Band
	Frequency	1525 - 1614 MHz 1164 - 1300 MHz
<b>Electrical</b>	Antenna Gain	1525 - 1540 MHz, 4.0 dB typical 1551 - 1614 MHz, 5.0 dB typical 1164 - 1300 MHz, 4.0 typical
	Axial Ratio Output Impedance VSWR max LNA gain Noise Figure	3.0 dB max. 50 Ohm 2.0:1 32±2 dB 1.7 dB typical
<b>Connector</b>	Antenna Cable Mounting	TNC; N type (optional) 5/8 x 11 inch, or 4 holes M5
<b>Power</b>	Input Voltage Power Consumption Current	+3.0 to +15 VDC 0.68 W, 0.78 W (40 dB LNA gain) 45 mA @ 5.0V typical, 52 mA (40 dB gain)
<b>Physical &amp; Environmental</b>	Operating Temperature Storage Temperature Humidity Ingress Protection Shock Vibration Dimensions Weight Material	-45°C to +85°C -50°C to +85°C 100% non condensing IP68 MIL-STD-810H Method 516.8 Procedure I MIL-STD-810H Method 514.8 Procedure I 140 x 140 x 62 mm 515 g Radome: ABS, Base: Aluminum



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.