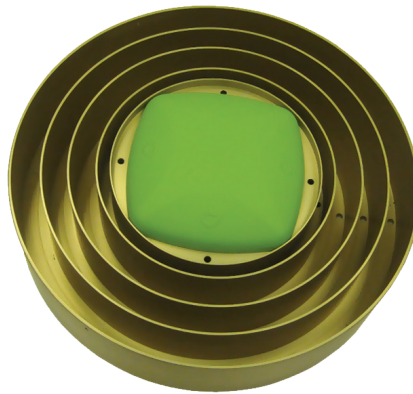




# RingAnt-3L

GNSS Antenna



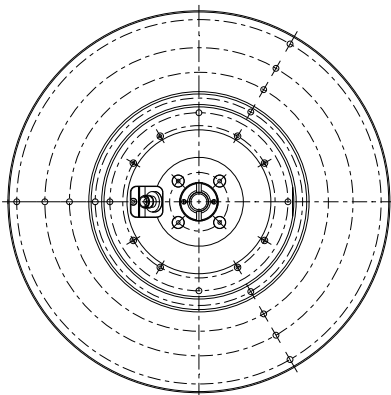
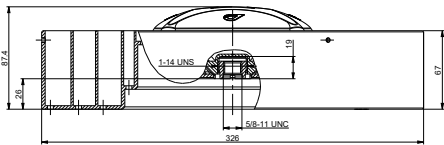
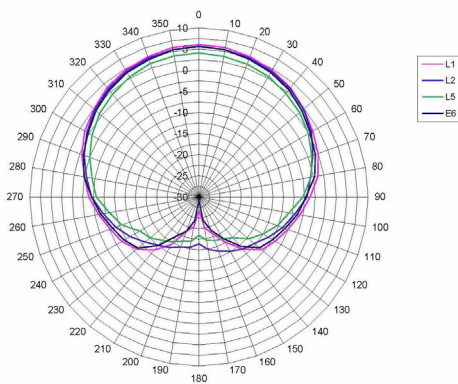
RingAnt-G3L is our GrAnt antenna mounted on our choke ring. This makes the GrAnt antenna field upgradeable to choke ring type. The antenna cable can be connected via the standard TNC (N-type optional) connector on its side.

RingAnt-G3L can track GPS, GLONASS, Galileo, BeiDou, WAAS, EGNOS, MSAS, GAGAN and QZSS signals.

# RingAnt-3L Specifications



|                          |                                                                      |                                                                                                                                                                                                                   |
|--------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GNSS                     | Constellations                                                       | GPS L1/L2/L2C/L5<br>GLONASS L1/L2/L3<br>GALILEO E1/E2/E5ab/E6<br>BEIDOU B1/B2/B3<br>QZSS L1/L2/L2C/L5/LEX<br>WAAS L1/L5, EGNOS, MSAS, GAGAN<br>IRNSS L5<br>L-Band                                                 |
|                          | Frequency                                                            | 1525 - 1614 MHz<br>1164 - 1300 MHz                                                                                                                                                                                |
| Electrical               | Antenna Gain                                                         | 1525 - 1540 MHz, 4.0 dB typical<br>1551 - 1614 MHz, 5.0 dB typical<br>1164 - 1300 MHz, 4.0 dB typical                                                                                                             |
|                          | Axial Ratio Output Impedance<br>VSWR max<br>LNA gain<br>Noise Figure | 3.0 dB max.<br>50 Ohm<br>2.0:1<br>32±2 dB<br>1.7 dB typical                                                                                                                                                       |
| Connector                | Antenna Cable Mounting                                               | TNC; N type (optional)<br>5/8 x 11 inch, or 4 holes M5<br>The tightening torque for the coaxial connector nuts that secure the RF cable to the TNC type of RF connector must be 4.1 - 6.1 in-lbs (0.46 - 0.69 NM) |
|                          |                                                                      |                                                                                                                                                                                                                   |
| Power                    | Input Voltage                                                        | +3.0 to +15 VDC                                                                                                                                                                                                   |
|                          | Power Consumption<br>Current                                         | 0.68 W, 0.78 W (40 dB LNA gain)<br>45 mA @ 5.0V typical, 52 mA (40 dB gain)                                                                                                                                       |
| Physical & Environmental | Operating Temperature                                                | -45°C to +85°C                                                                                                                                                                                                    |
|                          | Storage Temperature                                                  | -50°C to +85°C                                                                                                                                                                                                    |
|                          | Humidity                                                             | 100% non condensing                                                                                                                                                                                               |
|                          | Ingress Protection                                                   | IP68                                                                                                                                                                                                              |
|                          | Shock                                                                | MIL-STD-810H Method 516.8 Procedure I                                                                                                                                                                             |
|                          | Vibration                                                            | MIL-STD-810H Method 514.8 Procedure I                                                                                                                                                                             |
|                          | Dimensions                                                           | Ø326; h=88                                                                                                                                                                                                        |
|                          | Weight                                                               | 2.7 kg                                                                                                                                                                                                            |
|                          | Material                                                             | 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.