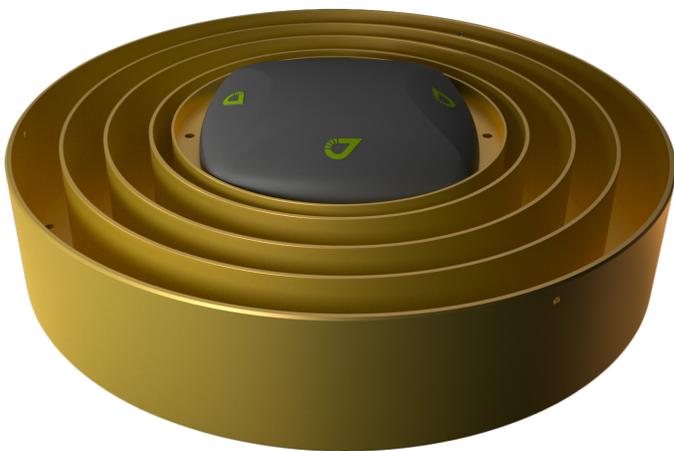




RingAnt-3L

GNSS Antenna



Key Features

- Multiple GNSS Constellations
- Multipath Reduction
- 40 dB Amplifier
- Phase Center Stability
- Extended Operating Temperature Range
- Optional Snow Cone

RingAnt-3L is a precision choke-ring GNSS antenna designed to provide maximum multipath suppression and phase-center stability for reference station applications.

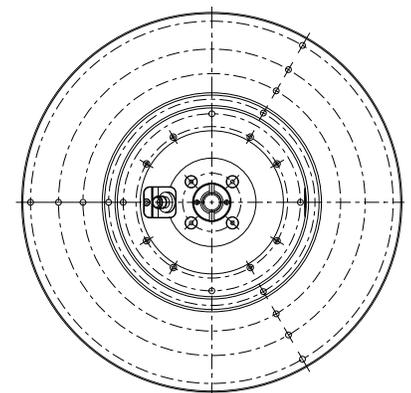
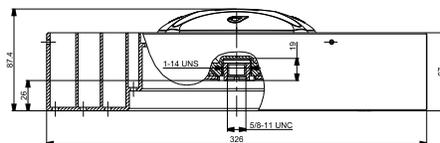
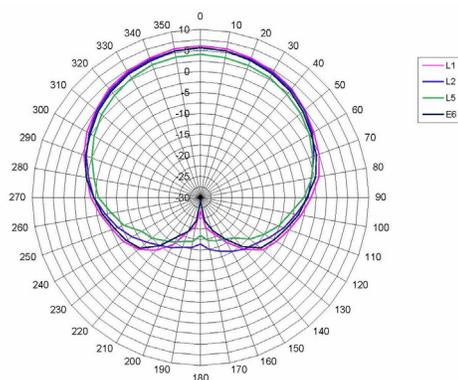
It features a rugged choke-ring structure and a side-mounted TNC connector (N-type optional) for convenient cable connection in permanent installations.



RingAnt-3L Specifications



GNSS	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
Electrical	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	3.0 dB max.
	Impedence	50 Ohm
	VSWR max	2.0:1
	LNA gain	32±2 dB
	Noise Figure	1.7 dB typical
Connector	Antenna Cable	TNC; N type (optional)
	Mounting	5/8 x 11 inch, or 4 holes M5 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	0.68 W, 0.78 W (40 dB LNA gain)
	Current	45 mA @ 5.0V typical, 52 mA (40 dB gain)
Physical & Environmental	Operating Temperature	-55°C to +85° C
	Storage Temperature	-55°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 mm; h=88 mm
	Weight	2.7 kg
	Material	Radome: ABS, Base: Aluminum



Refer to the user manual for full specifications.

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.