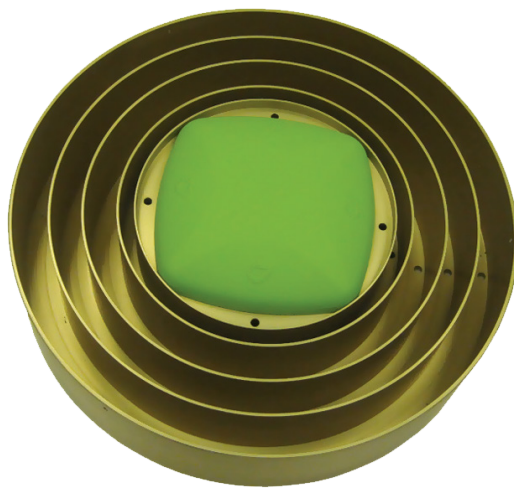




# RINGANT-G3T



RingAnt-G3T is our GrAnt antenna mounted on our own choke ring. This makes our 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.

J-Shield is our filter that protects GPS L1, Galileo L1 and GLONASS L1 bands. It brings in all the useful signals intact and rejects out of band signals with the slope of about 12 dB/Mhz.

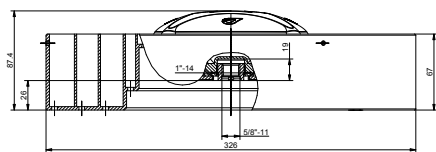
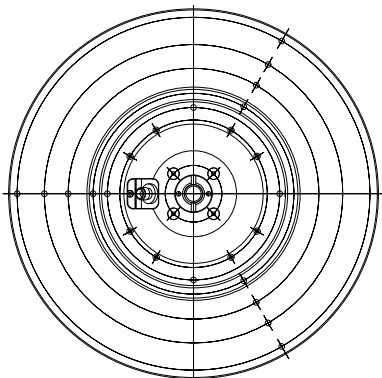
Similarly, it is our filter that protects GPS L2, GPS L5, GLONASS L2, GLONASS L3, and Galileo L5 and has slope of about 9 dB/Mhz.

These filters have been extensively tested with five different innovative tests and prove that the filters also improve the performance of GNSS receivers.

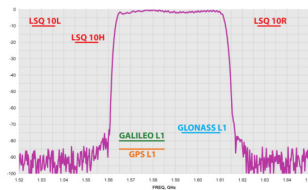
RingAnt-G3T can track GPS, GLONASS, Galileo, BeiDou, WAAS, EGNOS, MSAS, GAGAN and QZSS signals.

# RINGANT-G3T

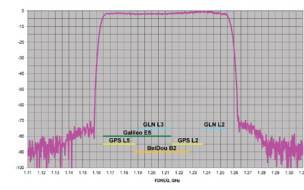
|                            | <b>G3T</b>  | <b>G3T-JS</b>  | <b>G3T+</b>  |
|----------------------------|---|--|--|
| <b>Signal</b>              |   |  |  |
| Capability                 | GPS L1/L2/L2C/L5<br>GLONASS L1/L2/L3<br>GALILEO E1/E2/E5ab<br>BEIDOU B1/B2<br>WAAS L1/L5, EGNOS, MSAS, GAGAN<br>QZSS L1/L2/L2C/L5 | GPS L1/L2/L2C/L5<br>GLONASS L1/L2/L3<br>GALILEO E1/E5ab<br>WAAS L1/L5, EGNOS, MSAS, GAGAN<br>QZSS L1/L2/L2C/L5 | GPS L1/L2/L5<br>GLONASS L1/L2/L3<br>GALILEO E1/E5ab<br>BEIDOU B1/B2<br>WAAS L1/L5, EGNOS, MSAS, GAGAN<br>QZSS L1/L2/L5 |
| Frequency, MHz             | 1551~1614<br>1164~1254  | 1565~1610<br>1164 ~1254  | 1555~1610<br>1164 ~1254  |
| <b>Electrical</b>          |   |  |  |
| Antenna Gain, dB (typ.)    | 6.0 (1551~1614 MHz)<br>5.0 (1164~1254 MHz)  | 6.0 (1565~1610 MHz)<br>5.0 (1164~1254 MHz)   | 6.0 (1555~1610 MHz)<br>5.0 (1164~1254 MHz)   |
| Axial Ratio, dB (max.)     | 3.0   |  |  |
| Output Impedance, Ohm      | 50  |  |  |
| LNA gain, dB               | 32±2; 40±2 (optional)   | 33±3; 43±3 (optional)  |  |
| Noise Figure, dB (typ.)    | 1.7   | 2.8  |  |
| DC voltage, VDC            | 3.0~15.0  | 4.5~15.0   |  |
| Current, mA (typ.) @ 5 V   | 45<br>52 (40 dB LNA gain)   | 90<br>97 (40 dB LNA gain)  |  |
| Power consumption, W (max) | 0.68<br>0.78 (40 dB LNA gain)   | 0.46<br>0.6 (40 dB LNA gain)   |  |
| <b>Environmental</b>       |   |  |  |
| Operating Temperature, °C  | -45 ~ +85   |  |  |
| Storage Temperature, °C    | -50 ~ +85   |  |  |
| Humidity                   | Waterproof, 100% non-condensing, IP68   |  |  |
| Shock                      | Survives a 0.5 m drop onto a hard surface   |  |  |
| <b>Mechanical</b>          |   |  |  |
| Antenna type               | Microstrip  |  |  |
| Connector                  | TNC; N-type (optional)  |  |  |
| Weight, kg                 | 2.7   |  |  |
| Dimensions, mm             | Ø326; h=88  |  |  |
| Enclosure                  | Radome: ABS; Base: Aluminum   |  |  |
| Mounting                   | 5/8-11 inches mount   |  |  |



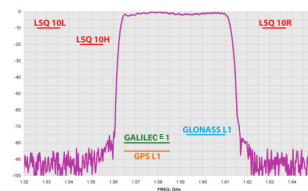
\* All dimensions are in mm



Frequency response of J-Shield filter for GPS L1, Galileo E1, and GLONASS L1 bands.



Frequency response of J-Shield and RingAnt-G3T+ filter for GPS L2, GPS L5, GLONASS L2, GLONASS L3, and Galileo E5.



Frequency response of RingAnt-G3T+ filter for GPS L1, Galileo E1, and GLONASS L1 bands.

Specifications are subject to change without notice



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