

# 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.

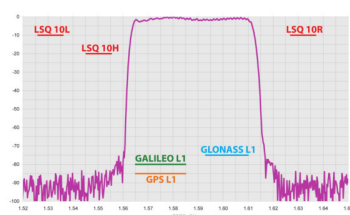
Similarly, it is our filter that protects GPS L2, GPS L5, GLONASS L2, GLONASS L3, and Galileo L5 and has slope of about 9 dB/Mhz.

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

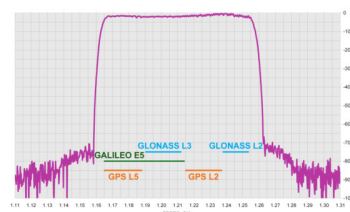
RingAnt-G3T can track GPS, GLONASS, Galileo, BeiDou, WAAS, EGNOS, MSAS, GAGAN and QZSS signals.

# RINGANT-G3T

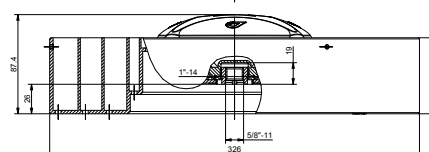
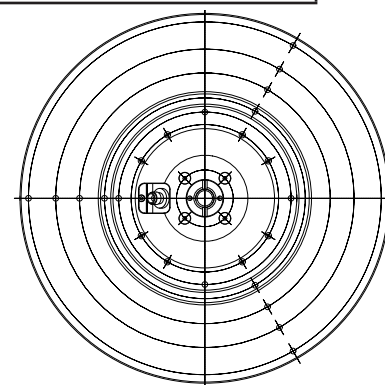
	G3T	G3T-JS
Signal		
Capability	GPS L1/L2/L2C/L5 GLONASS L1/L2/L3 GALILEO E1/E2/E5ab BEIDOU B1/B2 WAAS L1/L5, EGNOS, MSAS, GAGAN QZSS L1/L2/L2C/L5	GPS L1/L2/L2C/L5 GLONASS L1/L2/L3 GALILEO E1/E5ab WAAS L1/L5, EGNOS, MSAS, GAGAN QZSS L1/L2/L2C/L5
Frequency	1559~1610MHz 1164~1253 MHz	1565~1610MHz 1164 ~1253 MH
Electrical		
Antenna Gain	1555~1610MHz – 6.0 dB typ. 1164~1253 MHz – 5.0 dB typ	1565~1610MHz – 6.0 dB typ. 1164~1253 MHz – 5.0 dB typ
Axial Ratio	3.0 dB max.	
Output Impedance	50 Ohm	
LNA gain	32±2 dB 40±2 dB (optional)	1565~1610 MHz - 33±3 dB 1164~1253 MHz - 33±3 dB
Noise Figure	1555~1610MHz – 1.7 dB typ. 1164~1253 MHz – 1.7 dB typ.	1565~1610 MHz – 2.8 dB typ. 1164~1253 MHz – 2.8 dB typ.
DC voltage	3.0~15.0VDC 45mA@5.0V typ.	4.5~15.0VDC 90mA@5.0V typ.
Power consumption	-	0.5 Watt (max)
Environmental		
Operating Temperature	-45°C ~ +85°C	
Storage Temperature	-50°C ~ +85°C	
Humidity	Waterproof, 100% non-condensing, IP68	
Shock	Survives a 0.5 m drop onto a hard surface	
Mechanical		
Antenna type	Microstrip	
Connector	TNC; N-type (optional)	
Weight	2.7 kg	
Dimensions	Ø326 mm; h=88 mm	
Enclosure	Radome: ABS; Base: Aluminum	
Mounting	5/8-11 inches mount	



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



Frequency response of J-Shield filter for GPS L2, GPS L5, GLONASS L2, GLONASS L3, and Galileo L5



\* All dimensions are in mm

Specifications are subject to change without notice



**JAVAD GNSS**  
**www.javad.com**

Rev.2.2 April 23, 2015