

## T3-GL-C

### GNSS & LTE MIMO Combination Antenna



#### Product Description

The T3-GL-C is a rugged combination antenna of GNSS and telecom LTE bands, which features excellent GPS Glonass signal quality and cellular 2G/3G/4G coverage. With anti-UV material and water ingress design, the combo antenna is easy to install and able to meet commercial and industrial standards.

#### Highlight

- ✓ Low profile screw-mount high-performance GNSS + Cellular combination antenna
- ✓ Proprietary-designed excellent GNSS signal reception quality and RF isolation
- ✓ Apply weather-resistance antenna enclosure material for harsh environment

#### Feature

- ✓ Central screw mount, easy installation.
- ✓ IPX7 fully waterproof
- ✓ Support GPS/GLONASS & 2G/3G/4G cellular frequency
- ✓ RF independent ground
- ✓ Application flexibility 1-cable, 2-cable and 3-cable are available

#### Applications

- ✓ Fleet management
- ✓ Telemetry
- ✓ .Navigation
- ✓ Machine to machine, SCARDA
- ✓ IoT gateway, routers

#### Mechanical Specification

<b>Dimension</b>	68.2(dia.) x 36mm
<b>Mounting</b>	Screw through hole mount
<b>Cable</b>	RG-174/ LMR-100/ LMR-195
<b>Connector</b>	SMA plug or other standard RF connectors
<b>Enclosure</b>	ASA material
<b>Operation Temperature</b>	-35°C ~ +85°C
<b>Storage Temperature</b>	-40°C ~ +85°C

#### Electrical Specification - Cellular

<b>Frequency</b>	698~960 & 1710~2170MHz
<b>Gain</b>	698~960MHz: 0.7dBi 1710~2170MHz: 5.5dBi
<b>Efficiency</b>	698~960MHz: 36% 1710~2170MHz: 66%
<b>Impedance</b>	50 Ω
<b>VSWR</b>	<2.0
<b>Polarization</b>	Linear

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## Screw Through Hole Mount Combo Antenna

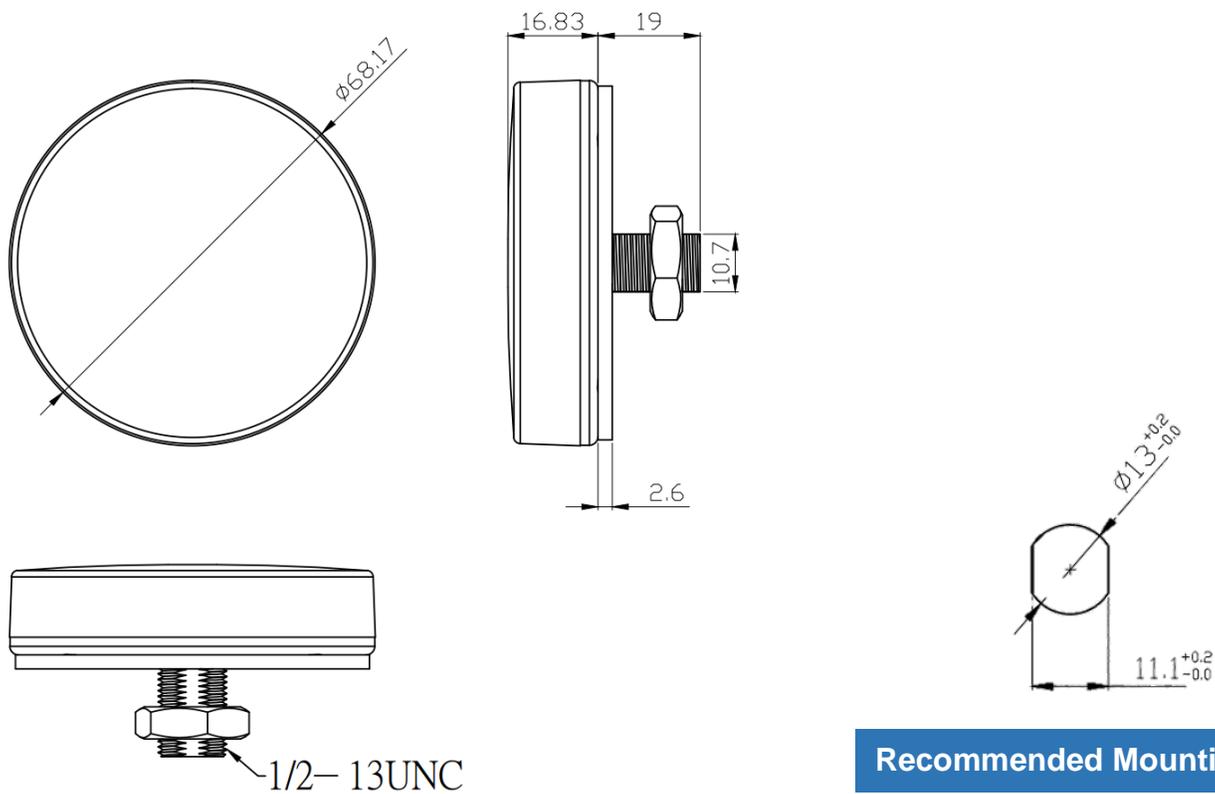
### Electrical Specification - GPS

Frequency	GPS L1: 1575.42 ± 1.023MHz GLONASS L1: 1602 + 0.5625 * K (MHz)
VSWR	≤ 1.5
Peak Gain	4.5dBi
Polarization	R.H.C.P.
Impedance	50Ω

### LNA Specification

LNA Gain	28 ± 2dB
VSWR	< 1.5
Noise Figure	< 1.5
DC Voltage	2.7 ~ 5V
Current Consumption	8 ~ 13 mA

### Antenna Physical Drawing



### Recommended Mounting Hole