# 2J9201
# 2J9201A
# 2J9201AB
## (Datasheet)

| | |
|---|---|
| **Type** | Marine Antenna |
| **Frequencies** | GPS (1575.42 MHz)<br>GLONASS (1592 - 1610 MHz) |
| **Mounting** | Any Surface |
| **Revision** | 00 |

P. Tipul D.Noble

# 1. PRODUCT SELECTOR

**2J9201** complete model with bottom bracket
**2J9201A** without bracket
**2J9201AB** with components what can change version 2J9201A to body mount version

# 2. SPECIFICATION

## *2.1. Electrical Specifications*

| | |
|---|---|
| Frequencies | GPS/GLONASS (1572 – 1610 MHz) |
| Impedance | 50 Ohms |
| Polarization | RHCP |
| LNA Gain | 23dB at 3V and 24dB at 5V |
| VSWR | <1.2:1 |
| Voltage supply | 2,7V - 5,5V |
| Current | 15 mA to 25 mA |
| Power (max.) | 138mW |
| Operating temperature | -40°C to +85°C |
| Note | Antenna is filtered |

## *2.2. Connection Specifications*

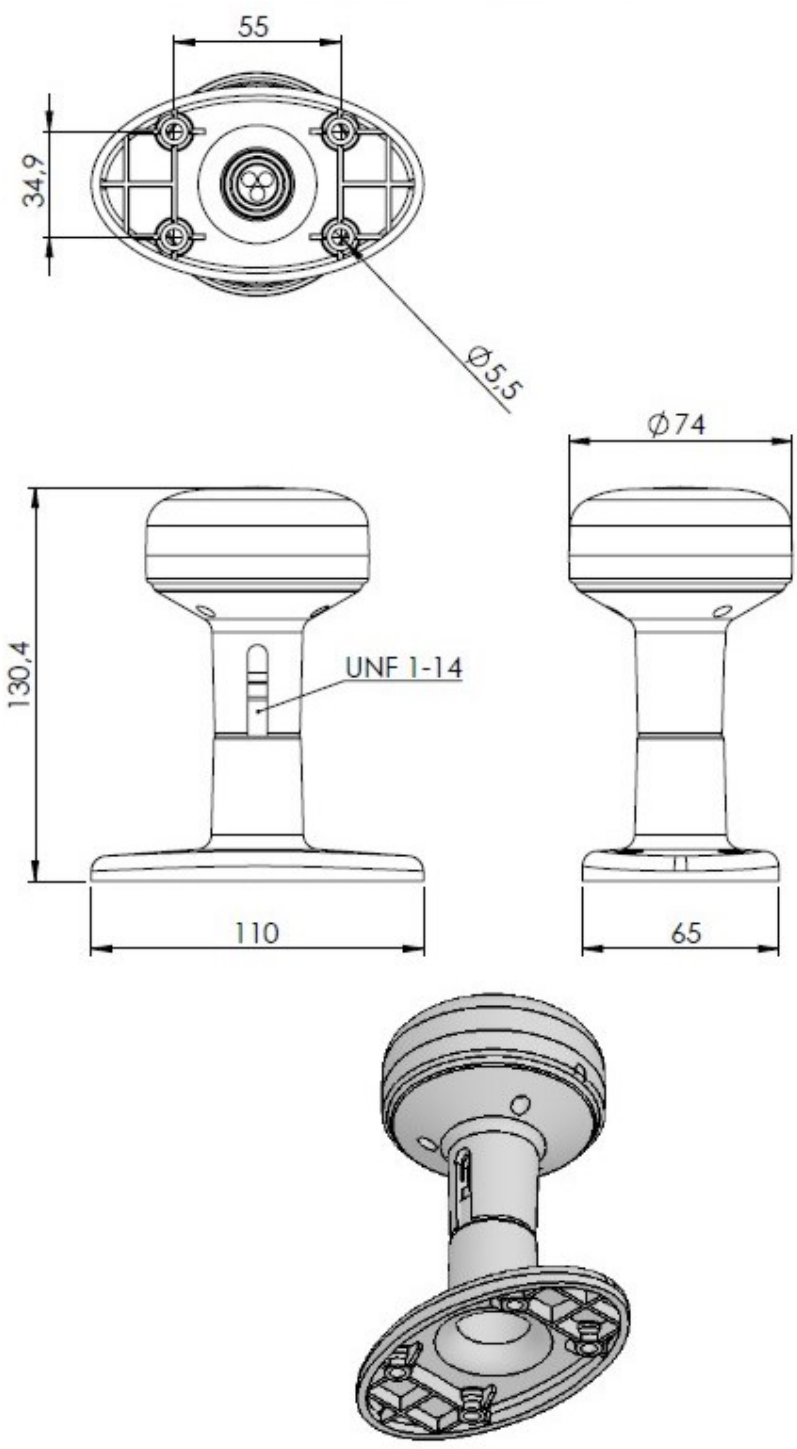
Connector type: SMA male
Cable type: RG58W (White)
Cable length: 30cm

- For different cable length or connector type please ask our sales team

## 2.3. Mechanical Specifications and Dimensions

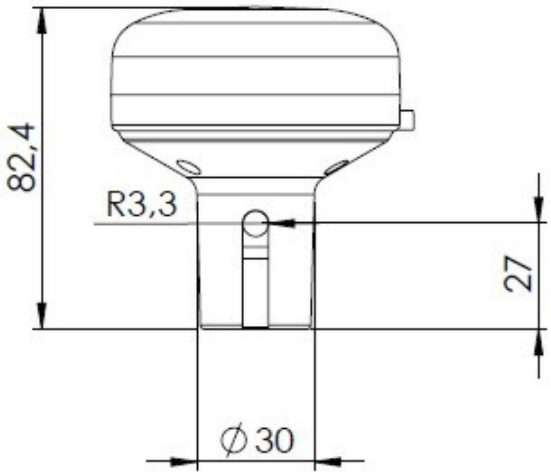
### 2.3.1. 2J9201

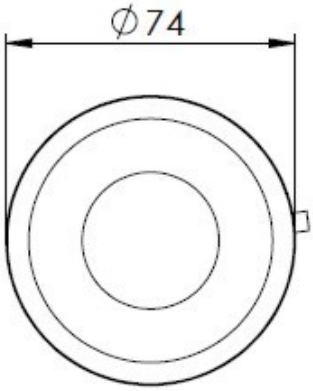
| | |
|---|---|
| Material: | ABS |
| Max. dimensions: | 130.4mm x 110mm x 74mm (H x L x W) |
| Weight: | 165 g ‘counted with default connection’ |
| Colour: | White (for different colours please ask our sales team) |

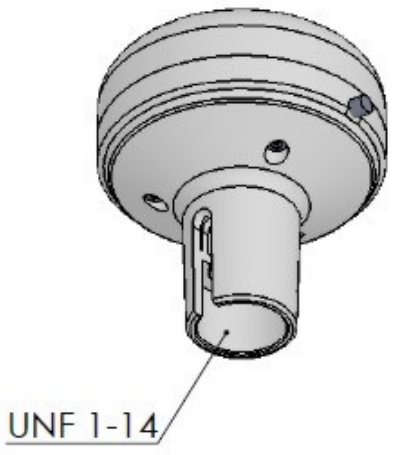


### 1.1.1. 2J9201A

| | |
|---|---|
| Material: | ABS |
| Max. dimensions: | 82,4mm x 74mm (H x D) |
| Weight: | 120 g ‘counted with default connection’ |
| Colour: | White (for different colours please ask our sales team) |



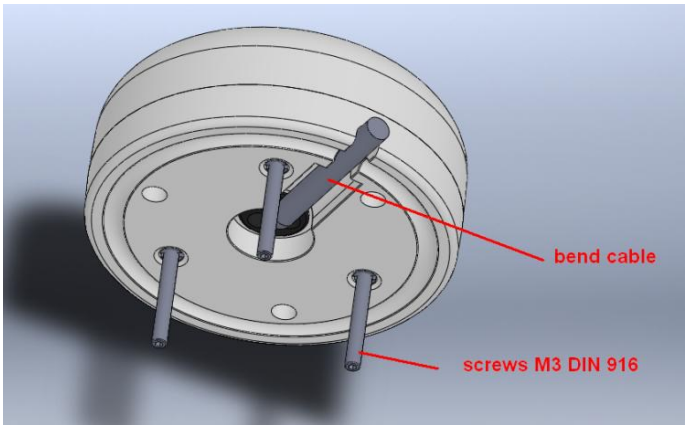



### 1.1.1. 2J9201AB

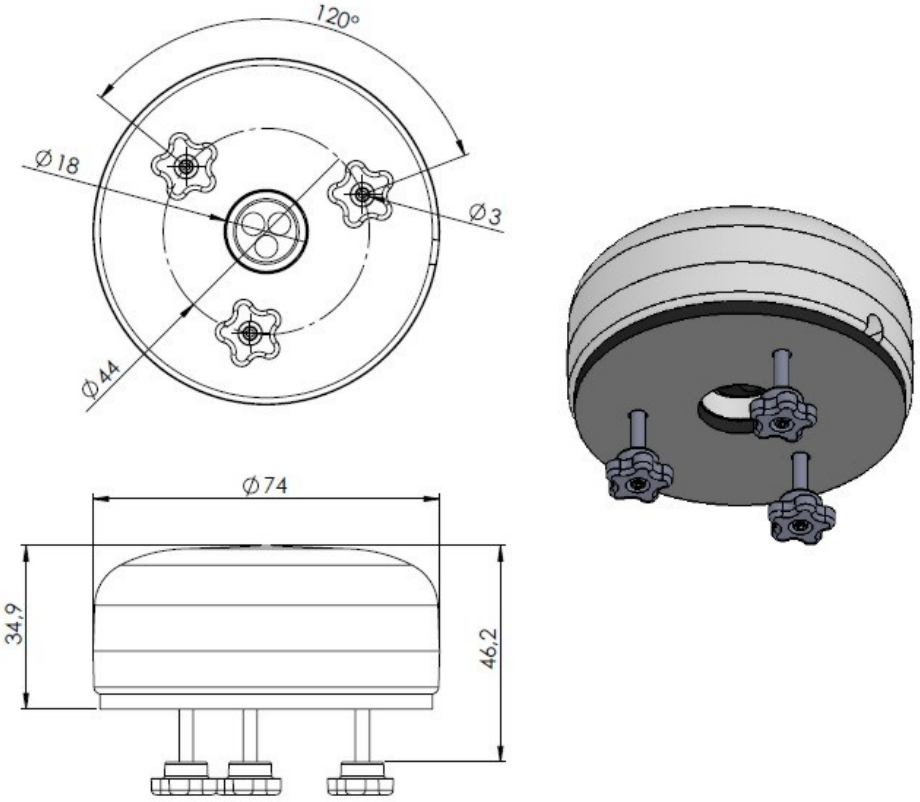
| | |
|---|---|
| Material: | ABS |
| Max. dimensions: | 34.9mm x 74mm (H x D) |
| Weight: | 100 g ‘counted with default connection’ |
| Colour: | White (for different colours please ask our sales team) |

AB version mean that’s antenna is sold with all parts needed for making body mount version from version 2J9201A, by unscrewing bottom part and putting 3x M3 DIN 916 screw to bottom part and sticking 3mm sticker to bottom side.

Cable can go straight down or can be placed in 90 degree in slot placed on bottom side of housing.




VERSION OF MONTAGE WITHOUT BRACKET

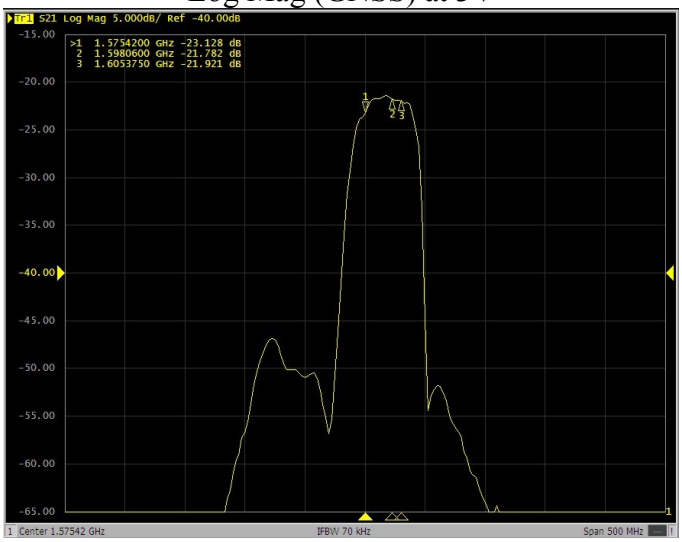


# 2. MEASUREMENT

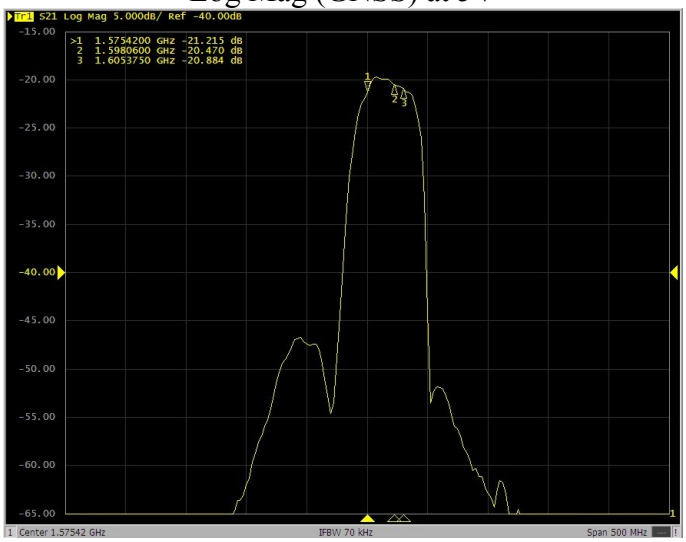
- Antenna was tested with 30cm of RG58 in anechoic chamber

## 2.1. Antenna gain (S21)

Log Mag (GNSS) at 3V

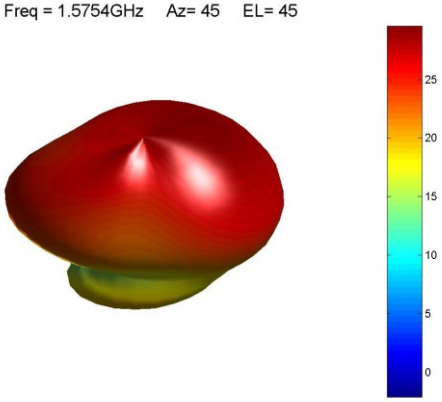



Log Mag (GNSS) at 5V

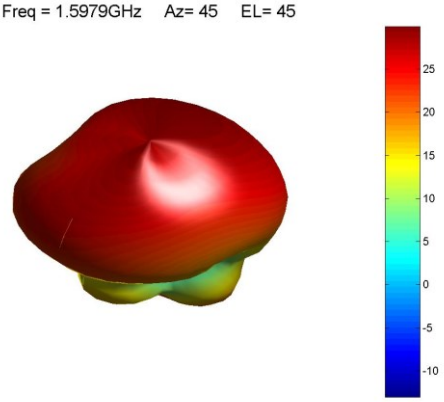



## 2.2. 3D radiation pattern

Freq = 1.5754GHz Az= 45 EL= 45




Freq = 1.5979GHz Az= 45 EL= 45




Freq = 1.5979GHz Az= 45 EL= 45