

2J9101JBWCF-B12JW-B10BW

(Datasheet)

Type
Frequencies

Marine Antenna
GPS (1575.42 MHz)
GLONASS (1592 - 1610 MHz)
BeiDou (1561 MHz)

Mounting
Revision

Screw Mount
00



P. Tipul

1. SPECIFICATION

1.1. *Electrical Specifications*

Frequencies	GPS/GLONASS/BeiDou (1561 – 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

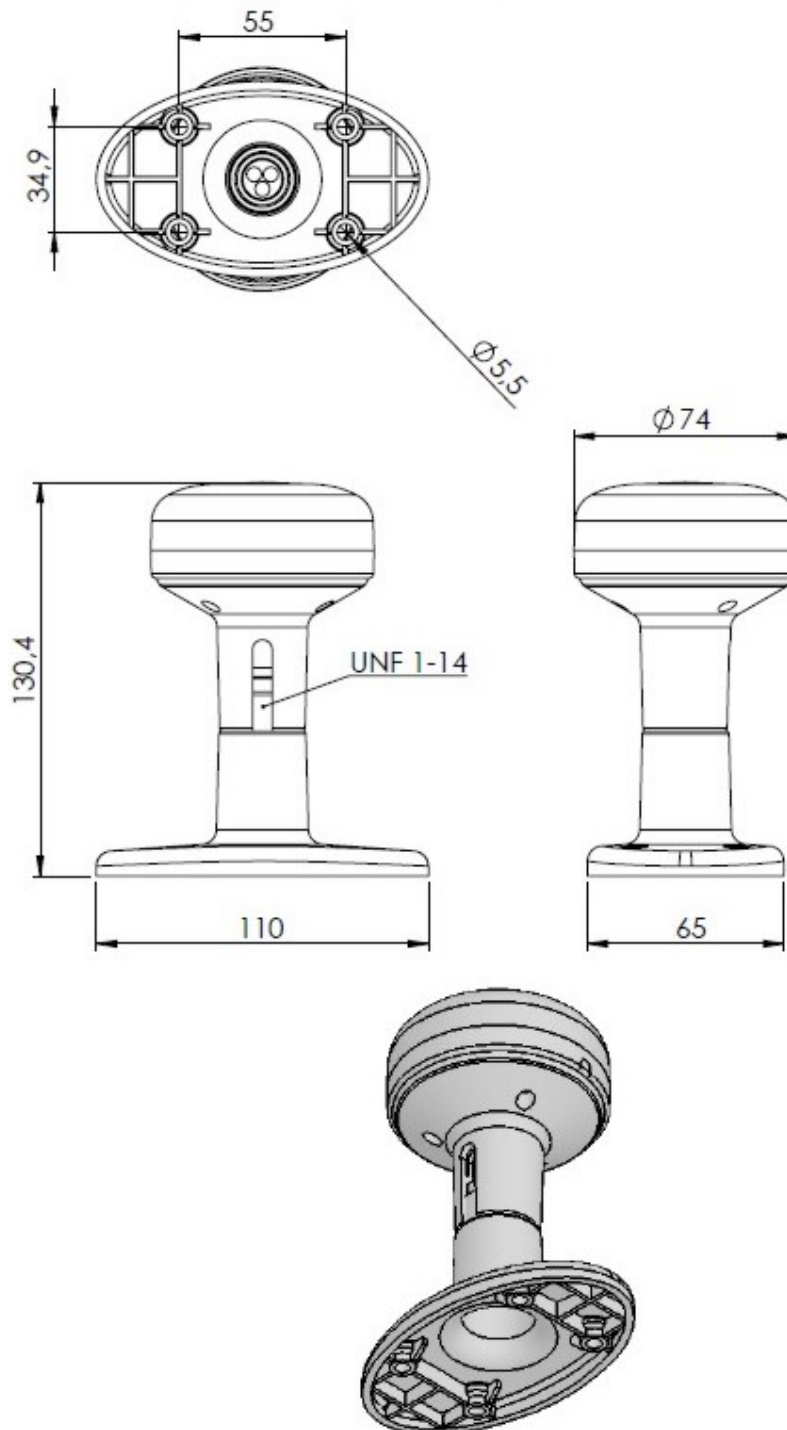
1.2. *Connection Specifications*

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

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

1.3. Mechanical Specifications and Dimensions

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)

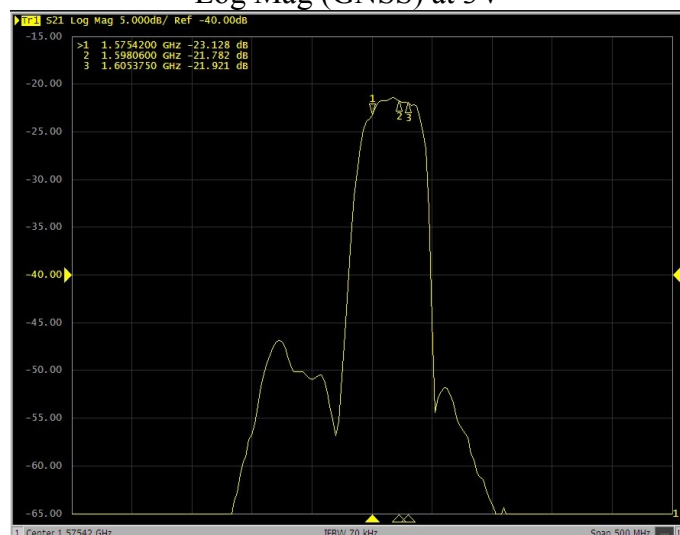


2. MEASUREMENT

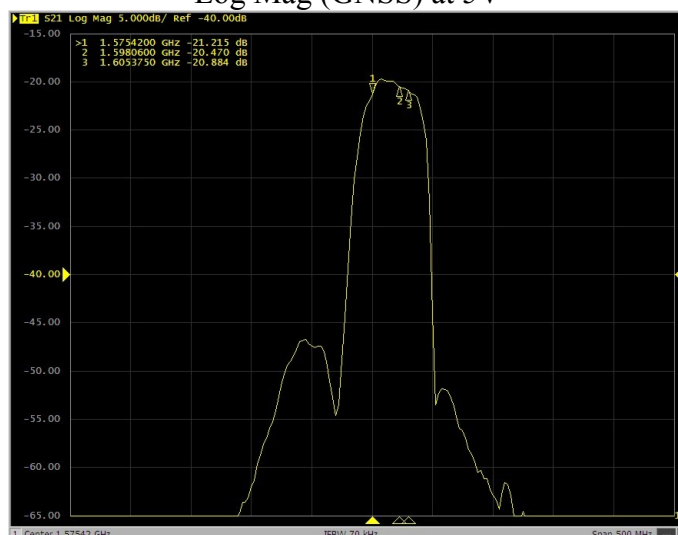
- Antenna was tested with 30cm of RG58 in anechoic chamber

2.1. Antenna gain (S21)

Log Mag (GNSS) at 3V

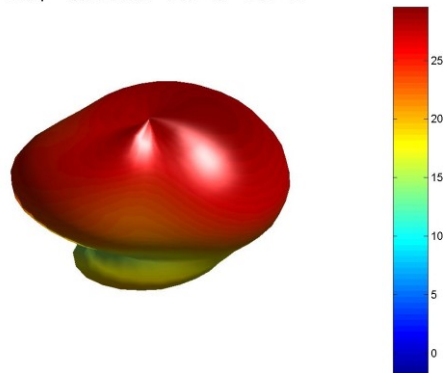


Log Mag (GNSS) at 5V



2.2. 3D radiation pattern

Freq = 1.5754GHz Az= 45 EL= 45



Freq = 1.5979GHz Az= 45 EL= 45

