

# GNSS ANTENNA

## HYN3.5C Series



- Multi-band GNSS antenna series is available in different electrical and mechanical configurations: passive, active or multiple(GPS L1/L2, GLONASS L1, Galileo E1).
- Active antenna provides low-noise coverage 1227.6MHz, 1575.42MHz and 1602MHz with a VSWR of 2.0:1. 32dB gain LNA which requires 3.5-12VDC. DC bias is provided through the connector.
- Guaranteed under the usage of military application by the environmental tests such as those of temperature, humidity, salt fog, vibration, shock and altitude.
- Qualified for a tank/armored car and a high altitude vehicle.

### Electrical Specification

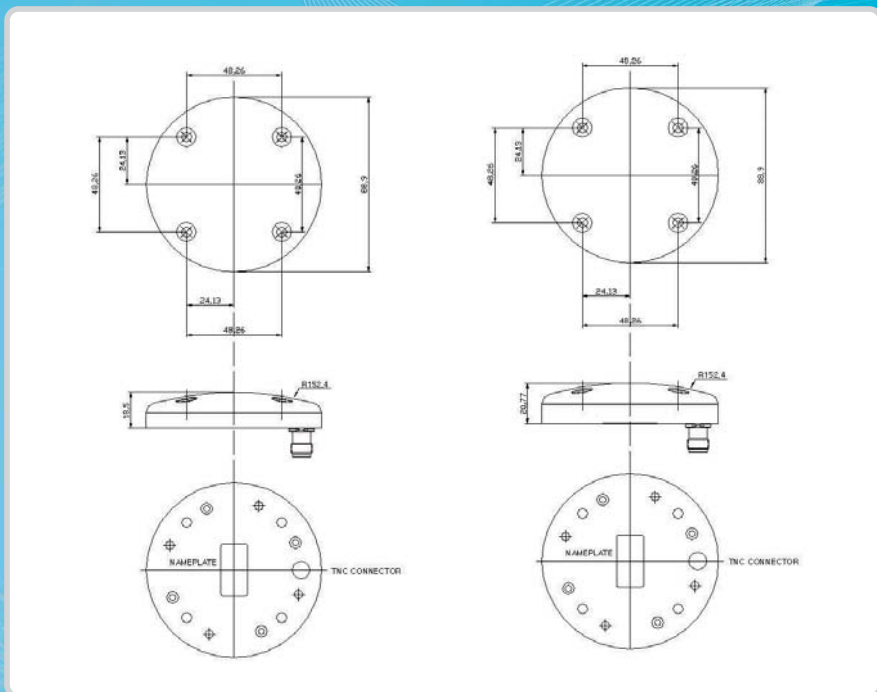
Item	Specification	Remarks
Frequency bands	1565-1615MHz(GPS L1 , GLONASS, Galileo E1) 1222-1232MHz(GPS L2)	
VSWR	1.5:1	
Impedance	50 [Ohm]	
Polarization	RHCP	
Passive Antenna Gain @ Zenith	> 3 dBic (GPS L1/L2, GLONASS L1, Galileo E1)	Free Space
Axial ratio	< 3dB @ Zenith	
LNA Gain	32 ±2[dB]	
LNA Noise Figure(NF)	< 1.5 [dB]	
DC Power	3.5 - 12 V DC	5V DC
Current	40mA (Max)	
Lightening Protection	DC Grounding	

### Mechanical Specification

Item	Specification	Remarks
Size	Φ=88.9 , H = 18.5(with LNA: 20.77)	mm
Connector	TNC Female	
Weight	Not Exceed 250g	
Material	6061-T6 ALUMINUMALLOY BASE	

# Outline dimensions

[UNIT : mm]



## Ordering information

### HYN3.5C1216R-A-T-X

