

## GPS Antenna Specification:

(ModelNO.:RY-GPS -98)



### Electrical Characteristics:

#### 1.1.1 GPS Antenna

Frequency Range[MHz]	1575.42±5
Gain[dBi]	38±2(LNA included)
Polarization	right hand circula
Axis ratio[dB]	≤5
3dB beamwidth(°)	110±10
Front to Back Ratio [dB]	≥7.4
DC Voltage[ V ]	4~6
DC Current[mA]	≤45
Connector N(F)	

#### 1.1.2 LNA Specifications

Frequency Range[MHz]	1575.42±1.023
Gain[dBi]	34±2
Flatness in bandwidth (dB)	≤1 (1575.42±1.023 MHz) ≤2 (1575.42±5MHz)
Noise Figure[dB]	≤1.9
Out-of-Band Rejection (dBC)	>12 (1575±30MHz) >35 (1575±50MHz) >70 (1575±100MHz)
VSWR	S11≤2.0dB (import);S22≤2.5dB (export)

DC Voltage[ V ]	4~6
DC Current[mA]	≤45
1dB the dot of the export	≥0
Anti-Surge Performance : According GB/T 17626.5-1999;idt IEC 61000-4-5:1995 Standard	

### 1.2 Mechanical Specifications

Radome material	ASA
Size[mm]	φ96×112
Weighe[Kg]	0. 2
Operating Temperature[°C]	-40~+85
Reposition Temperature[°C]	-55~+85
Operating Humidity[%]	95
Operating Wind Speed[Km/h]	140
Rated Wind Speed[Km/h]	200

#### Size:

