



# E.S.G.

make  
wireless  
together

## ESG-GPSGLNS-01

### Dielectric Antenna:

Frequency:

1575 MHz/1602 MHz

Center Frequency:

1590 MHz (+/- 3 MHz)

V. S. W. R.: 1.5: 1

Band Width: 50 MHz Min at -5 dB

Impedance: 50 Ohm

Peak Gain: 5dBic Min/1575MHz;

4dBic Min/1602~1616MHz

Gain coverage:  $\geq -4\text{dBic}$  at  $-90^\circ < \theta < +90^\circ$

(over 75% volume)

Handling power: 1 Watt

Polarization: RHCP

### LNA Specification

LNA Gain: 30-32dB Typical (without cable)

Noise Figure 1.5dB

V. S. W. R < 2.0

DC Voltage 3.0V-5.0V+/-0.5V

DC current 13mA Max (5V DC)

### Mechanical Specification

Weight with cable: 110 gram

Size: 37 x 33.5 x 10 mm

Cable: RG174, 5 meters length

Connector: SMB straight female

(Radial p/n: R114.082.000)

Working Temp: -40 C ~+85 C

Storage Temp: -45 C ~+100 C

Vibration: Sine sweep 1g (0-p)10~50~10Hz each axis

Humidity: Humidity: 95%~100%RH

Waterproof: 100%



GLONASS ANTENNA

E.S.G.  
wireless<sup>®</sup>