## OUTLINE

Antenna with LNA that receives GPS satellite waves efficiently and with high sensitivity. It is GPS Antenna for general market that is environmentally friendly, and can be installed either inside or outside the car.


## FEATURES

1. Small Size
2. Environmental Consideration
3. Waterproof
4. Installation Method
5. Cable Length
6. Connector
7. Power Supply Voltage
8. Overseas Production

## : 33(W) $\times 36(\mathrm{D}) \times 12.8(\mathrm{H}) \mathrm{mm}$

Lead Free
: Certified for JIS C0920 IPX7
: Magnetic (With Rubber Feet)
: Standard 3 or 5 m
: Standard CN, GT16, HFC, FAKRA
: 3 or 5 V
: Tianjin, China / Thailand

## SPECIFICATIONS

| Item |  | Specifications |
| :---: | :---: | :---: |
| Antenna | Reception Frequency | $1575.42 \pm 1.023 \mathrm{MHz}$ |
|  | Reception Polarization | Right Hand Circular Polarization |
|  | Antenna Gain | 4dBi typ. *1 |
|  | Output Impedance | $50 \Omega$ |
| LNA | Reception Frequency | $1575.42 \pm 1.023 \mathrm{MHz}$ |
|  | Noise Figure | 1.1 dB typ. |
|  | Gain | 26 dB typ. |
|  | Gain Flatness (Within Reception Band) | 1 dB max. |
|  | Ex-band Attenuation | 20 dB typ. $\pm 50 \mathrm{MHz}$ ) |
| Overall | Overall Gain | 30dBi typ.(Zenith) *2 |
|  | Power Supply Voltage | 3 or 5V |
|  | Current Consumption | 18 mA typ. |
| Minimum Order |  | 30,000pcs/year |

*1 Conditions: Attached to GND boad $(70 \times 70 \mathrm{~mm})$
*2 Conditions: Attached to GND boad ( $70 \times 70 \mathrm{~mm}$, with cable)

## DIMENSIONS



Unit : mm

