

# GPS Antenna GPA-CG201

## 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 : 33(W)×36(D)×12.8(H) mm
- 2. Environmental Consideration : Lead Free
- 3. Waterproof : Certified for JIS C0920 IPX7
- 4. Installation Method : Magnetic (With Rubber Feet)
- 5. Cable Length : Standard 3 or 5m
- 6. Connector : Standard CN, GT16, HFC, FAKRA
- 7. Power Supply Voltage : 3 or 5V
- 8. Overseas Production : Tianjin, China

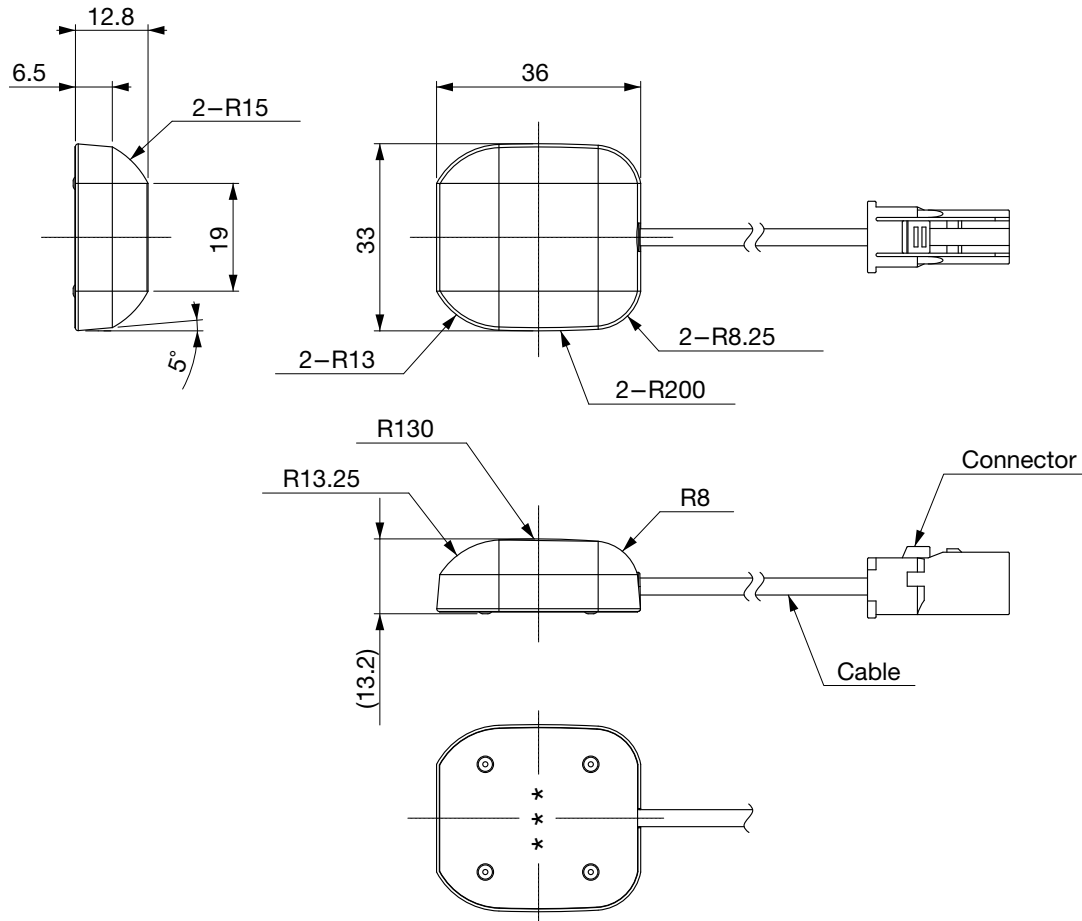
## SPECIFICATIONS

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

\*1 Conditions: Attached to GND board (70×70mm)

\*2 Conditions: Attached to GND board (70×70mm, with cable)

DIMENSIONS



Unit : mm