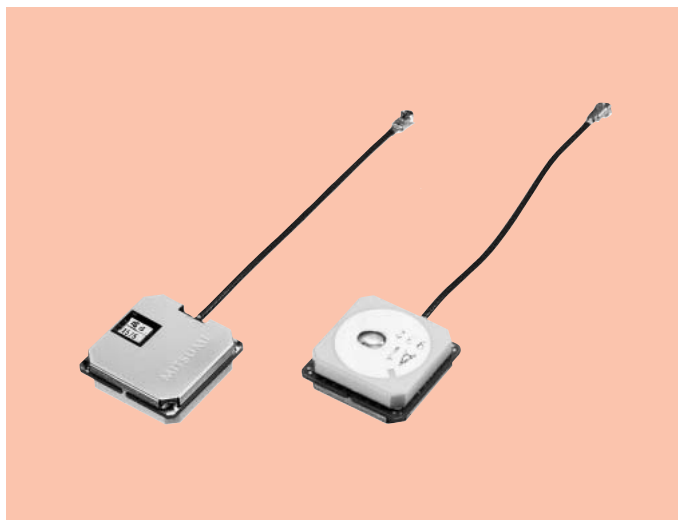


# GPS Antenna GPA-CG2C2

Wireless Communication Components

## OUTLINE

This is a highly sensitive, efficient antenna for receiving GPS satellite waves. It is ideal for use as a built-in antenna for portable/handy equipment. Antenna pattern is custom designed to meet the customer's requirements.



## FEATURES

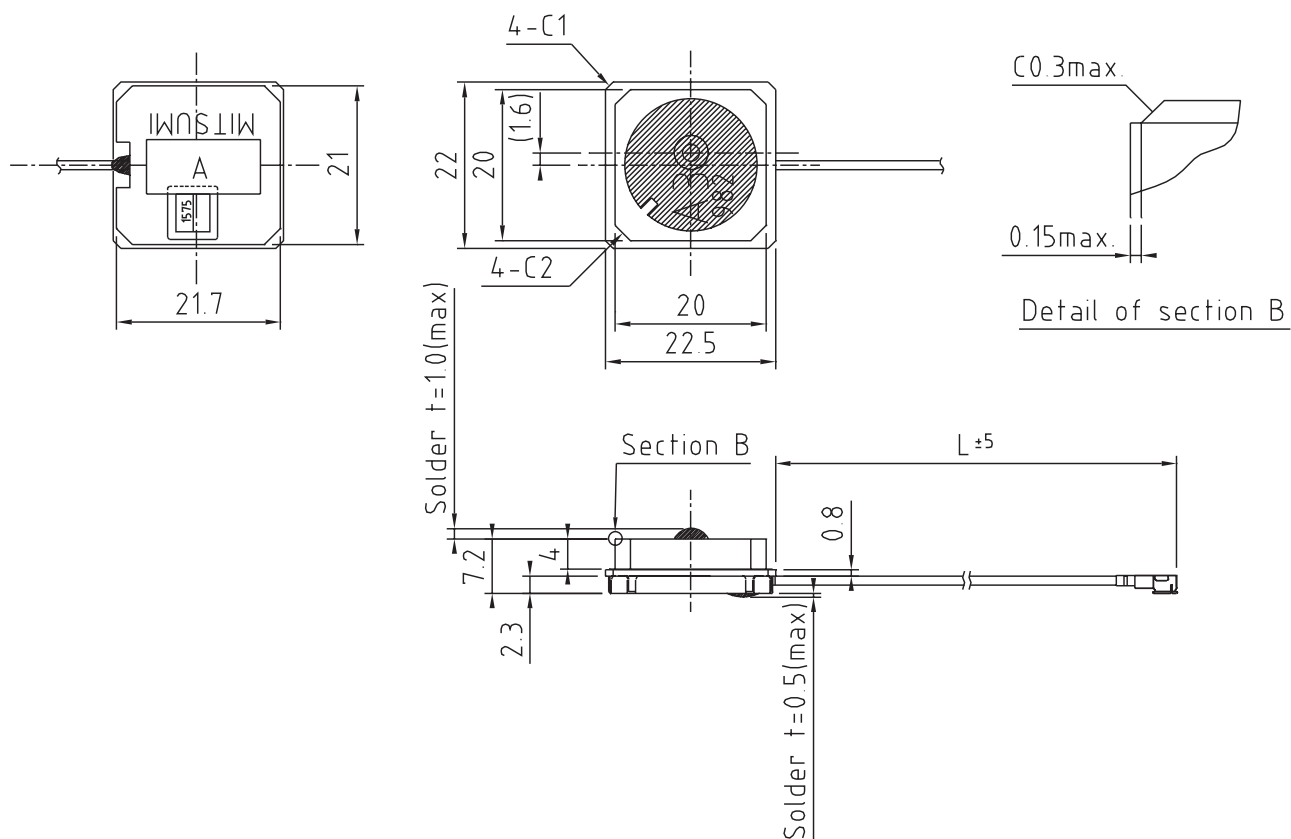
1. Custom antenna pattern design.
2. Low power supply voltage, low consumption current.
3. Small antenna element 20 (W) × 20 (D) × 4 (H) mm
4. Cable length and connector can be customized.

## SPECIFICATIONS

| Item    |                                       | Specifications                     |
|---------|---------------------------------------|------------------------------------|
| Antenna | Reception frequency                   | 1575.42±1.023MHz                   |
|         | Reception polarization                | Right Handed Circular Polarization |
|         | Antenna gain                          | 0dBi typ.                          |
|         | Output impedance                      | 50Ω                                |
| LNA     | Reception frequency                   | 1575.42MHz                         |
|         | Noise factor                          | 1.1dB typ.                         |
|         | Gain                                  | 26dB typ.                          |
|         | Gain flatness (within reception band) | 1dB max.                           |
|         | Ex-band attenuation                   | 18dB min. (fo±50MHz)               |
| Overall | Overall gain                          | 26dBi typ. (Zenith)                |
|         | Power supply voltage                  | 2.5~5.5V                           |
|         | Consumption current                   | 6.5mA typ. 8mA max.                |
|         | Minimum Order                         | 50,000Pcs/Year                     |

\*Conditions: For cable length 100mm

## DIMENSIONS



Unit : mm