#### **GNSS Antenna**

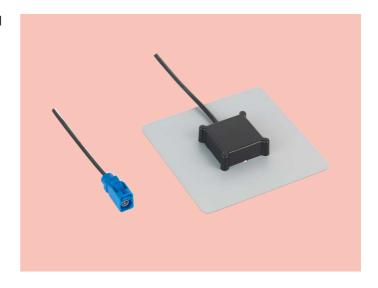
# GPA-GS250

Wireless Communication Components

#### OUTLINE

This is a highly sensitive, efficient and wideband antenna for receiving GPS, GLONASS, Galileo and Beidou satellite waves.

It is a Mitsumi standard product used as a automotive assembly line genuine part.



#### **FEATURES**

- 1. Utilizes Mitsumi standard case.
- 2. Miniature size 34.4(W) × 34.4(D) × 11.5(H)mm.
- 3. Small antenna element 25(W) × 25(D) × 4(H)mm.
- 4. Cable length and connector can be customized.
- 5. Various optional extras (mounting fixtures, spongers, and clips, etc.) are available to satisfy your needs.

### SPECIFICATIONS

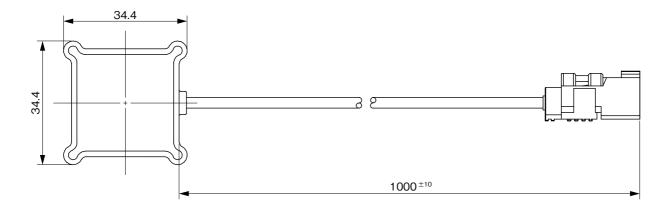
| Item                     |                        | Specifications                   |
|--------------------------|------------------------|----------------------------------|
| Antenna                  | Reception Frequency    | 1559.0 to 1605.375MHz            |
|                          | Reception Polarization | Right Hand Circular Polarization |
|                          | Antenna Gain           | 0dBi typ. *1                     |
|                          | Output Impedance       | $50\Omega$                       |
| LNA                      | Reception Frequency    | 1559.0 to 1605.375MHz            |
|                          | Noise Figure           | 1.2dB max.                       |
|                          | Gain                   | 26dB typ.                        |
|                          | Ex-band Attenuation    | 18dB min. (f0±50MHz)             |
| Overall                  | Overall Gain           | 26dBi typ. (Zenith)%1            |
|                          | Power Supply Voltage   | 5.0V                             |
|                          | Current Consumption    | 22mA typ. 30mA max.              |
| Minimum Order for Custom |                        | 30,000 unit per year             |

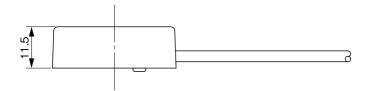
<sup>\*1:</sup> Gain is for the standard cable length of 1m and grounding plate measuring 60×60mm.

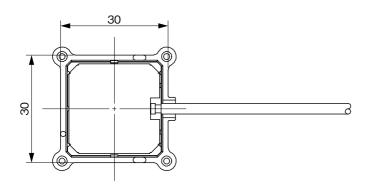
Any products mentioned in this catalog are subject to any modification in their appearance and others for improvements without prior notification.

The details listed here are not a guarantee of the individual products at the time of ordering. When using the products, you will be asked to check their specifications.

## DIMENSIONS







Unit: mm

Any products mentioned in this catalog are subject to any modification in their appearance and others for improvements without prior notification.
 The details listed here are not a guarantee of the individual products at the time of ordering. When using the products, you will be asked to check their specifications.