

2JM0401GF

GNSS Ceramic Active Antenna

Key Features

GPS/GLONASS/QZSS/Galileo

- 1575-1606 MHz

Embedded Antenna

28 dB Gain

Pre-Filter

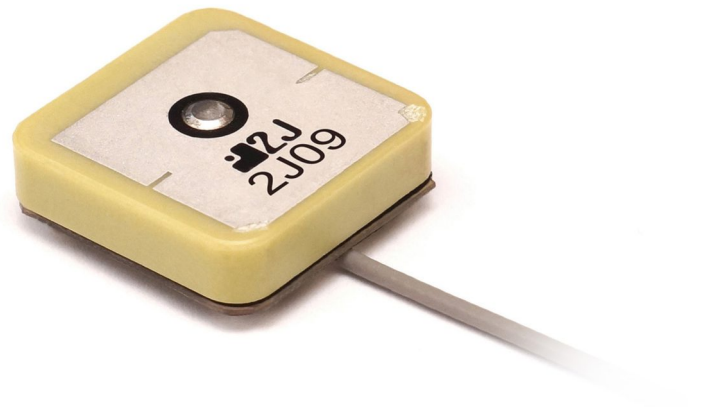
Low Noise Figure

Low Power Consumption

Ground Plane Independent

Dimensions 18 x 18 x 7.3 mm

Customizable Cable and Connector



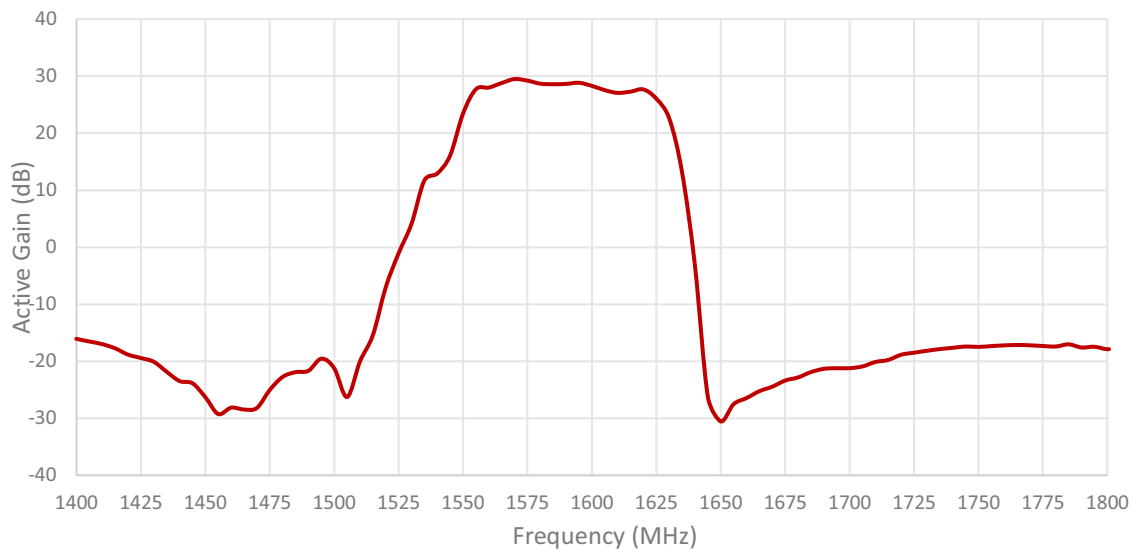
1. Antenna and electrical specifications

| Parameters | GNSS Ceramic Active Antenna | |
|-----------------------------------|---|-----------|
| | GPS/QZSS/Galileo | GLONASS |
| Standards | GPS/QZSS/Galileo | GLONASS |
| Bands (MHz) | 1575 | 1602 |
| Frequency (MHz) | 1575.42 | 1598-1606 |
| Passive Gain (dBi) | ~3.6 | |
| Impedance (Ohms) | 50 | |
| Radiation Pattern | Hemispherical | |
| Voltage Range (V) | 1.5 - 3.6 | |
| Active Gain (dB) | 28 @ 2.7 V | |
| Noise Figure (dB) | 1.8 @ 2.7 V | |
| Current Consumption (mA) | 9 @ 2.7 V | |
| Power Consumption (mW) | 24.3 @ 2.7 V | |
| Saw Filter Type | Pre-Filter | |
| Out of Band Rejection (dB) | ~43 | |
| ESD Protection (kV) | 6 | |
| Connector Type | U.FL Standard (Other Connectors Available) | |
| Cable Length | 100 mm Standard (Any Cable Length Available) | |
| Cable Type | 1.37 mm Mini-Coax Standard (Other Cables Available) | |

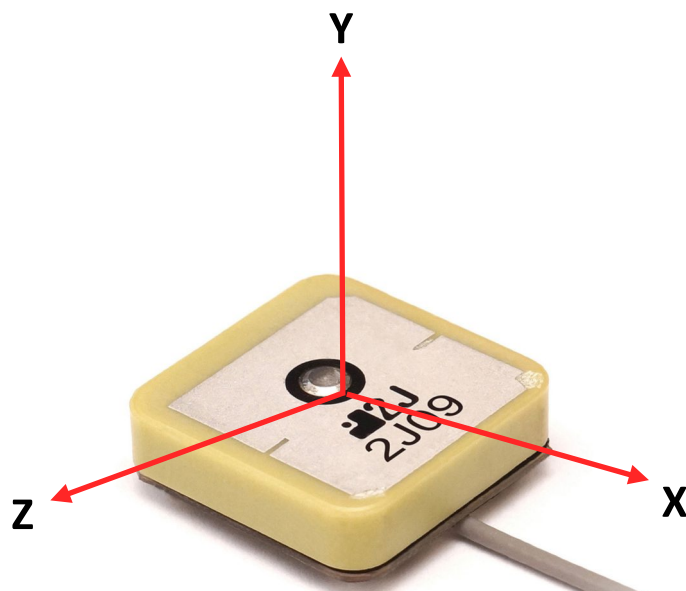
2. Mechanical and environmental specifications

| Specifications | 2JM0401GF |
|----------------------------------|---------------|
| Dimensions (mm) | 18 × 18 × 7.3 |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Substance Compliance | RoHS |

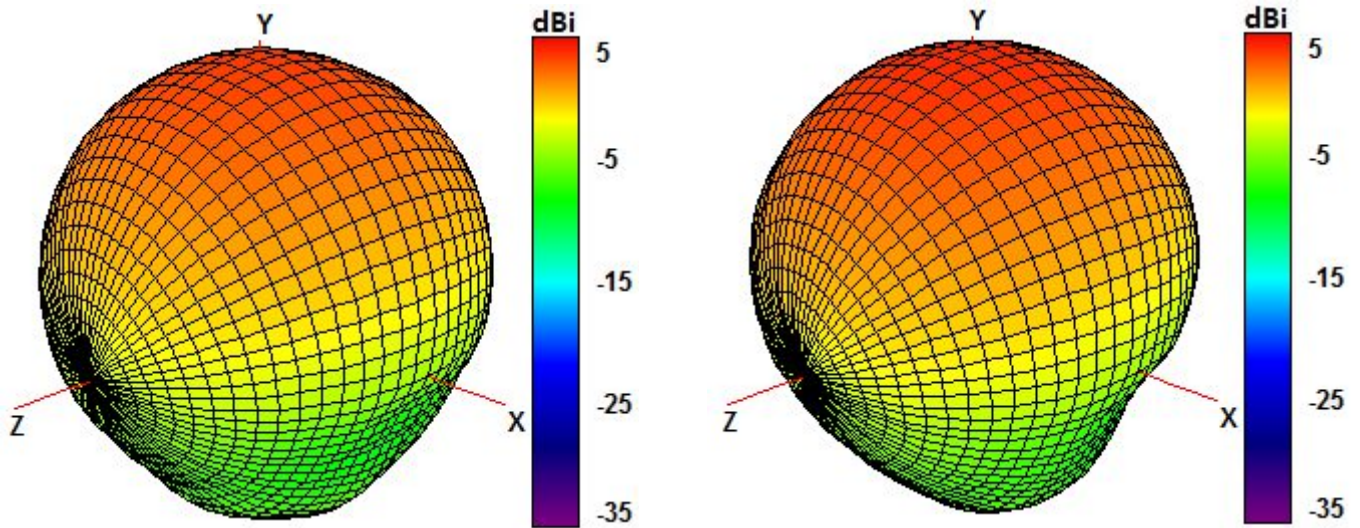
3. Antenna parameters



* Measured at 2.7 V

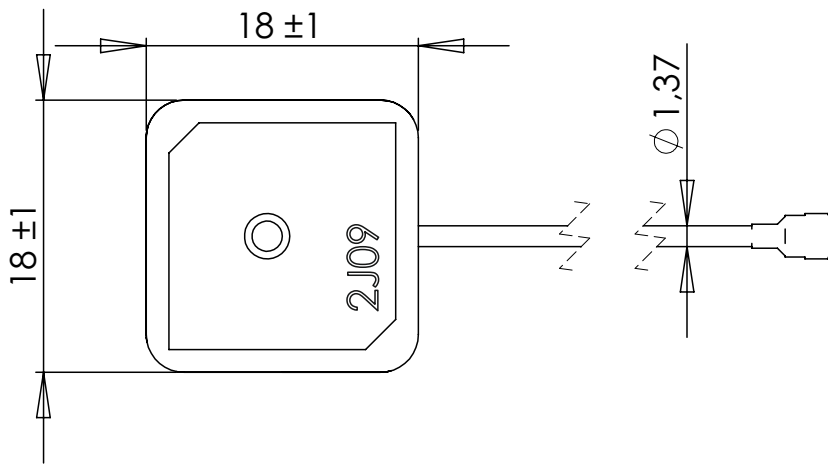
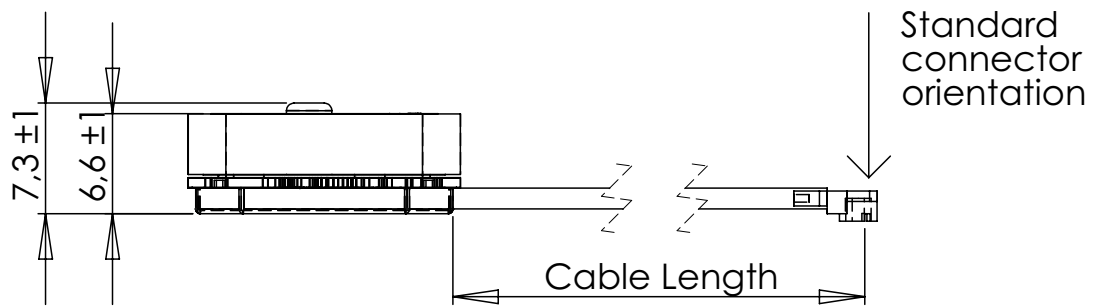


Radiation pattern reference



1575 and 1602 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

