

2JM0401CF

GNSS Ceramic Active Antenna

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Embedded Antenna

28 dB Gain

Pre-Filter

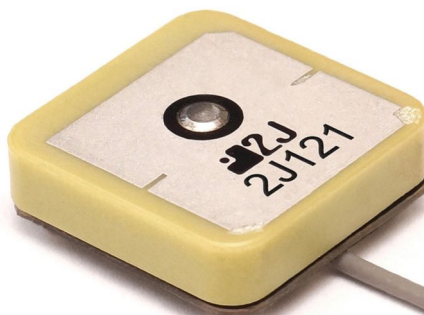
Low Noise Figure

Low Power Consumption

Ground Plane Independent

Dimensions 18 × 18 × 7.3 mm

Customizable Cable and Connector



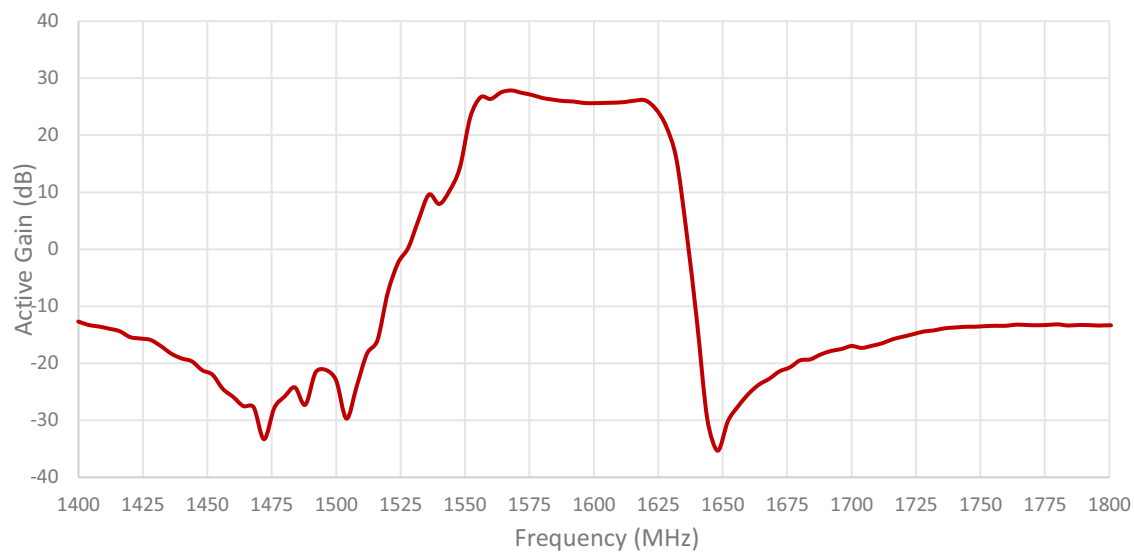
1. Antenna and electrical specifications

Parameters	GNSS Ceramic Active Antenna		
	BeiDou	GPS/QZSS/Galileo	GLONASS
Standards			
Bands (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598-1606
Passive Gain (dBi)	~5.2	~5.4	~5.4
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)		

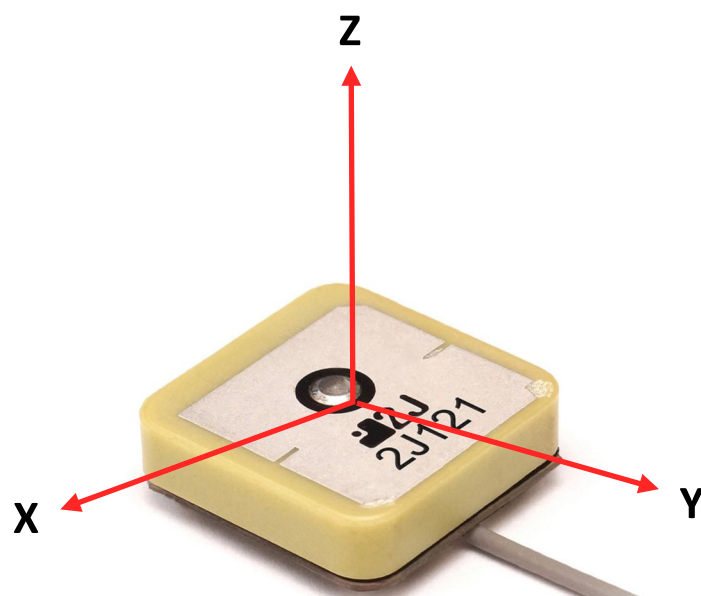
2. Mechanical and environmental specifications

Specifications	2JM0401CF
Dimensions (mm)	18 × 18 × 7.3
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

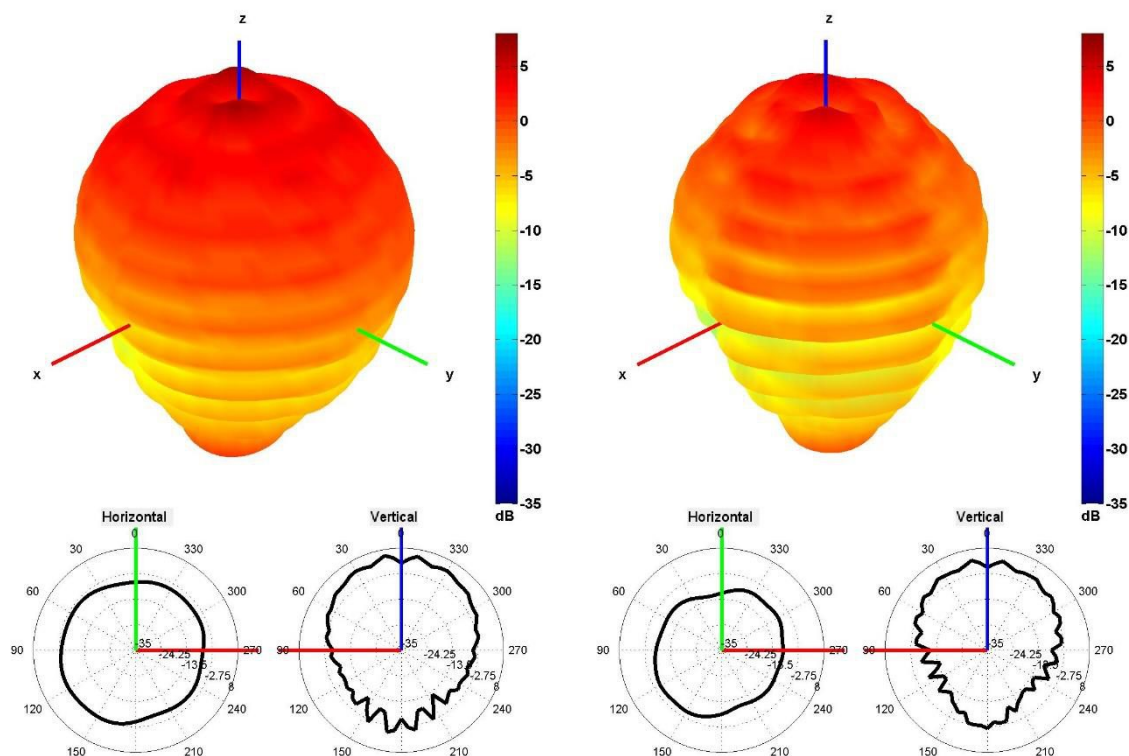
3. Antenna parameters



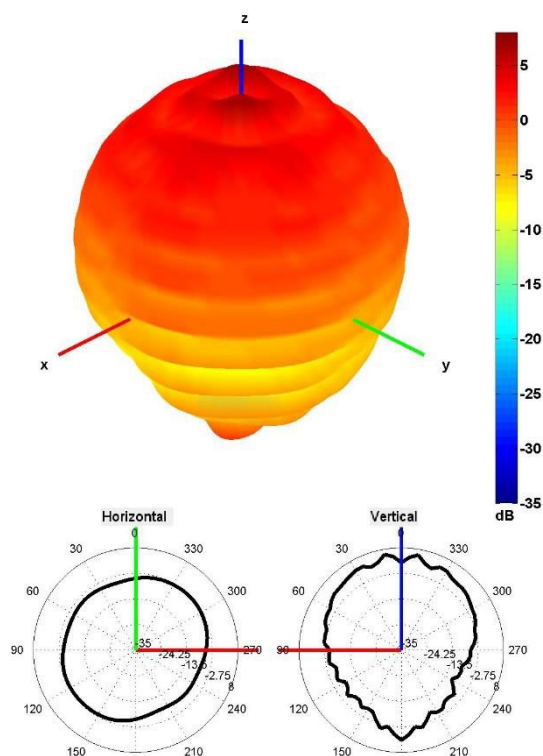
* Measured at 3 V



Radiation pattern reference

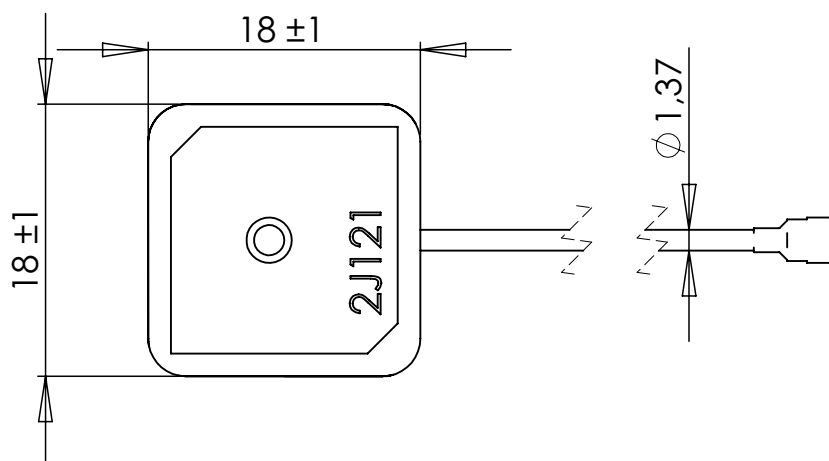
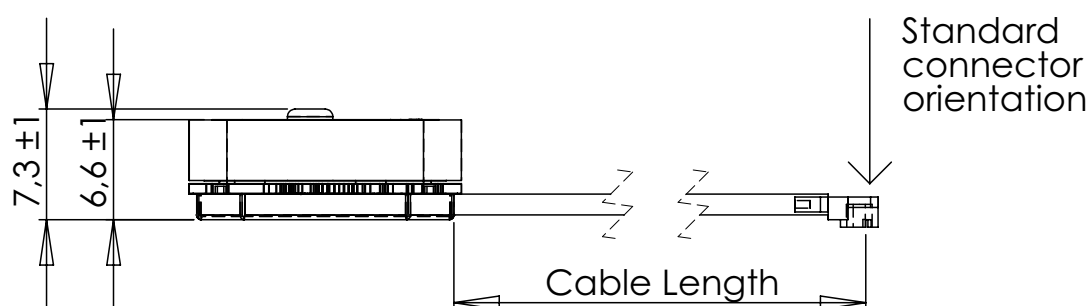


1561 and 1575 MHz Radiation pattern



1602 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

