antenna conceptor

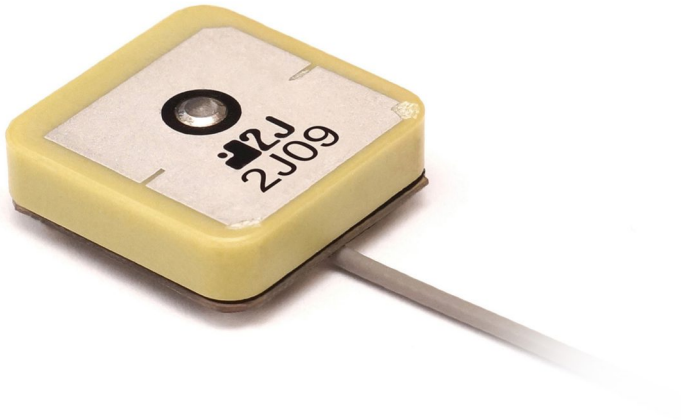
Product Datasheet

2JM0301GF

GNSS Ceramic Active Antenna

Key Features

GPS/GLONASS/QZSS/Galileo
- 1575-1606 MHz
Embedded Antenna
14 dB Gain
Pre-Filter
Low Noise Figure
Low Power Consumption
Ground Plane Independent
Dimensions 18 x 18 x 6.8 mm
Customizable Cable and Connector



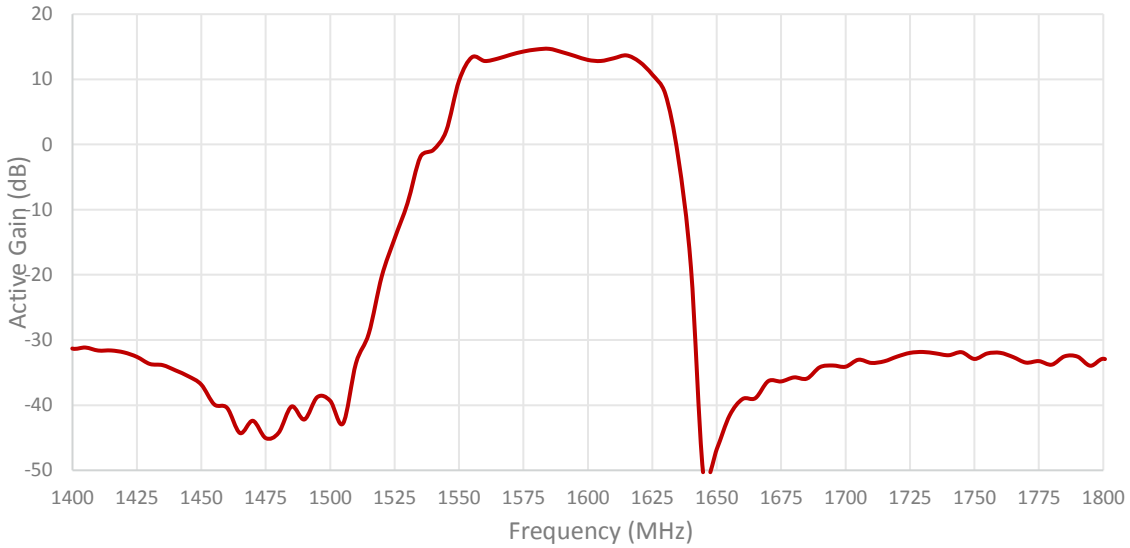
1. Antenna and electrical specifications

Parameters	GNSS Ceramic Active Antenna	
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)	14 @ 2.7 V	
Noise Figure (dB)	1.5 @ 2.7 V	
Current Consumption (mA)	4 @ 2.7 V	
Power Consumption (mW)	10.8 @ 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)	

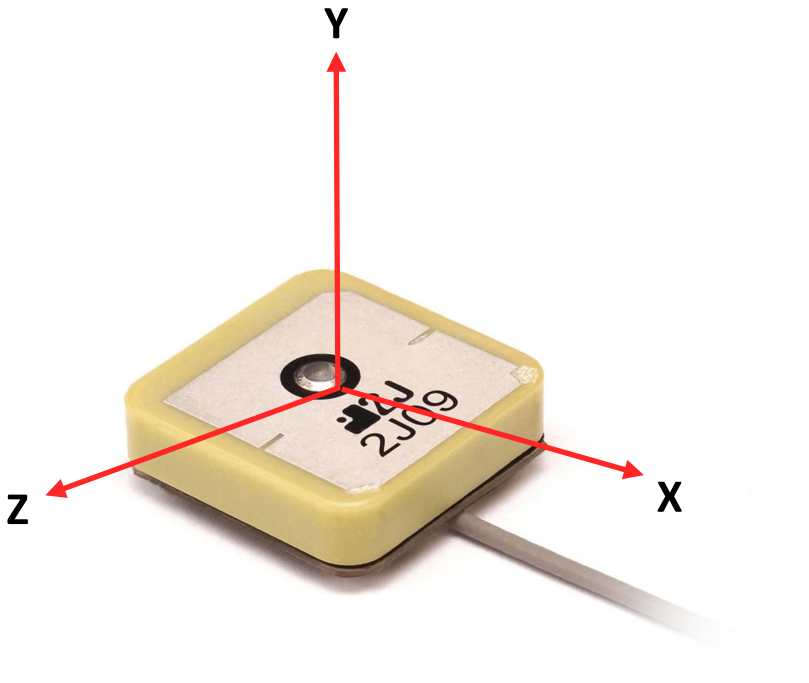
2. Mechanical and environmental specifications

Specifications	2JM0301GF
Dimensions (mm)	18 × 18 × 6.8
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

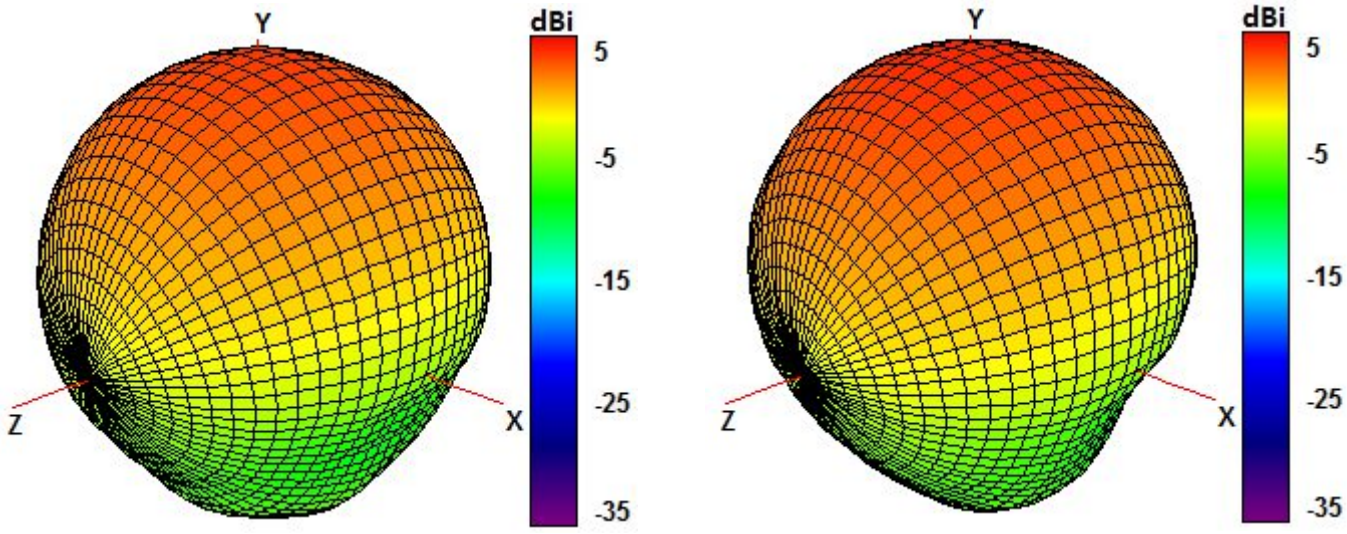
3. Antenna parameters



* Measured at 2.7 V

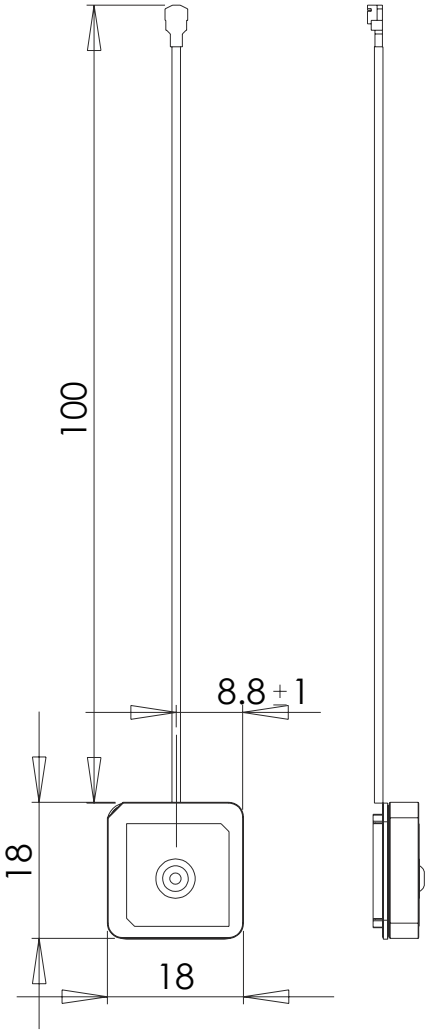


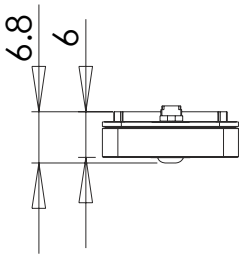
Radiation pattern reference



1575 and 1602 MHz Radiation pattern

4. Antenna drawings





5. Antenna Images

