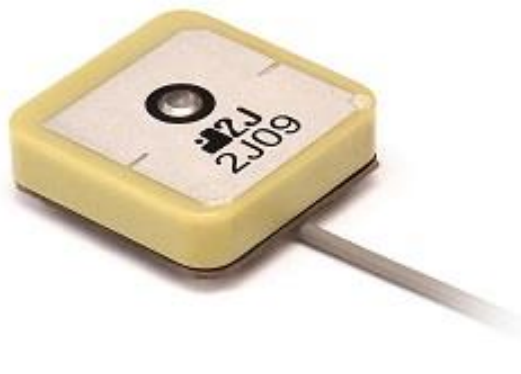


## AMC-ANT-2JM0401GF

### GNSS L1 ceramic active antenna

#### Features

- **GPS/GLONASS/QZSS/Galileo**
  - 1575 - 1606MHz
- Embedded antenna
- 28dB gain
- Pre-filter
- Low noise figure
- Low power consumption
- Ground plane independent
- Dimensions:– 18 x 18 x 6.8mm
- Customisable cable length and connector



## 1. Antenna and electrical specifications

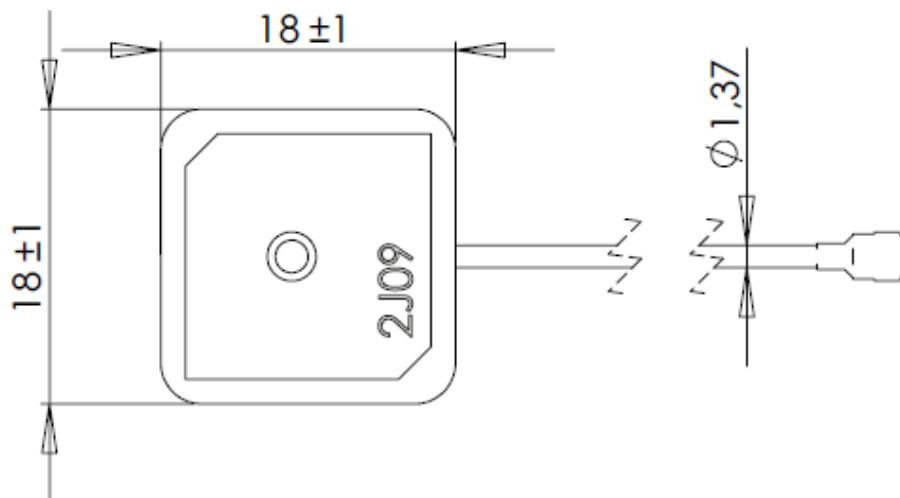
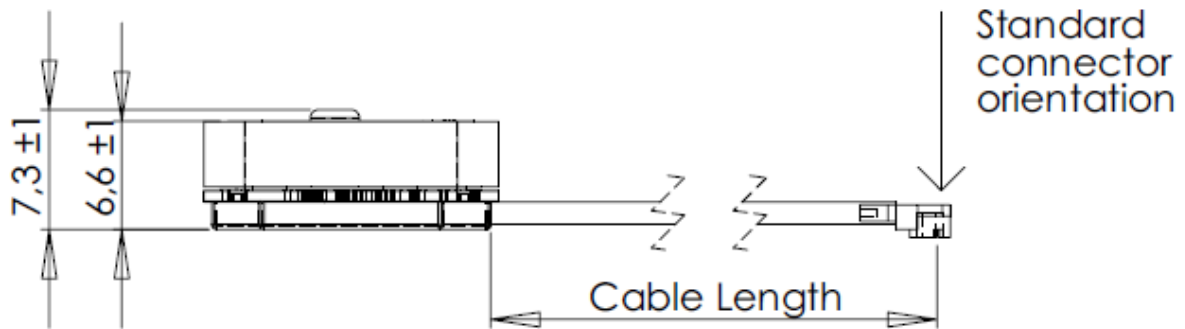
Parameters	GNSS ceramic active patch antenna	
Standards	GPS/QZSS/Galileo	GLONASS
Band (MHz)	1575	1602
Frequency (MHz)	1575.42	1598 - 1606
Passive Gain (dBi)	~3.6	
Impedance (Ohms)	50	
Radiation Pattern	Hemispherical	
Voltage Range (V)	1.5 – 3.6	
Active Gain (dB)	28 @ 2.7V	
Noise Figure (dB)	1.8 @ 2.7V	
Current Consumption (mA)	9 @ 2.7V	
Power Consumption (mW)	24.3 @ 2.7V	
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	100mm standard (other lengths available)	
Cable Type	1.37mm mini coax standard (other cables available)	



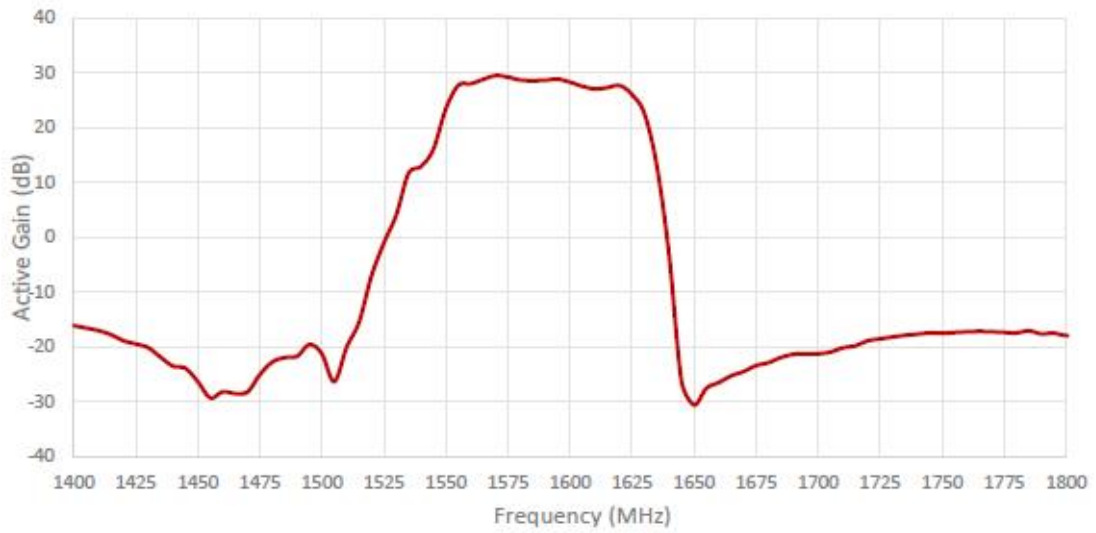
## 2. Mechanical and environmental specifications

Dimensions (mm)	18 x 18 x 6.8
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS

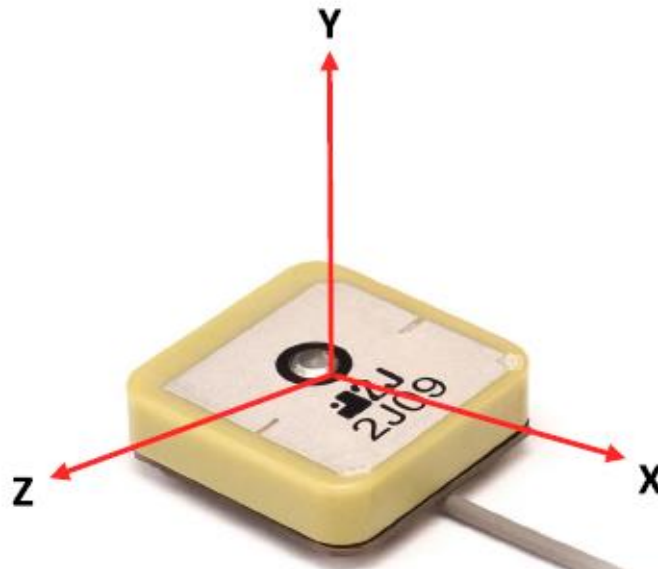
## 3. Antenna drawings



#### 4. Antenna parameters

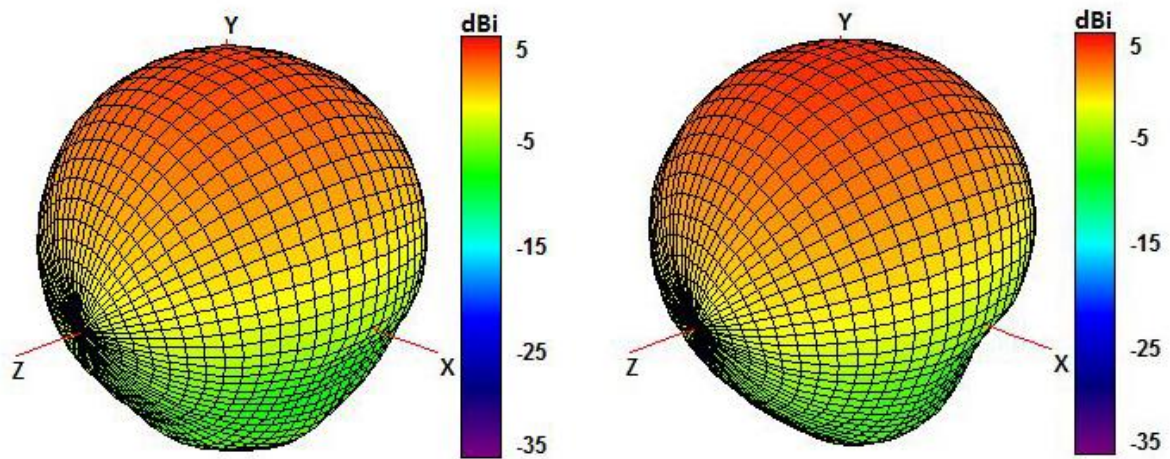


\* Measured at 2.7 V



Radiation pattern reference





1575 and 1602 MHz Radiation pattern

