

2J4301MPGFx

GPS/GLONASS Adhesive/Magnetic Mount

Key Features

GPS/GLONASS/QZSS/Galileo

- 1575-1606 MHz

Adhesive/Magnetic Mount

Post-Filter

Voltage 2.7 - 5.5 V

Ground Plane Independent

Customizable Cable and Connector

Dimensions 38 x 34 x 13.5/14.5 mm

Certificates IP67



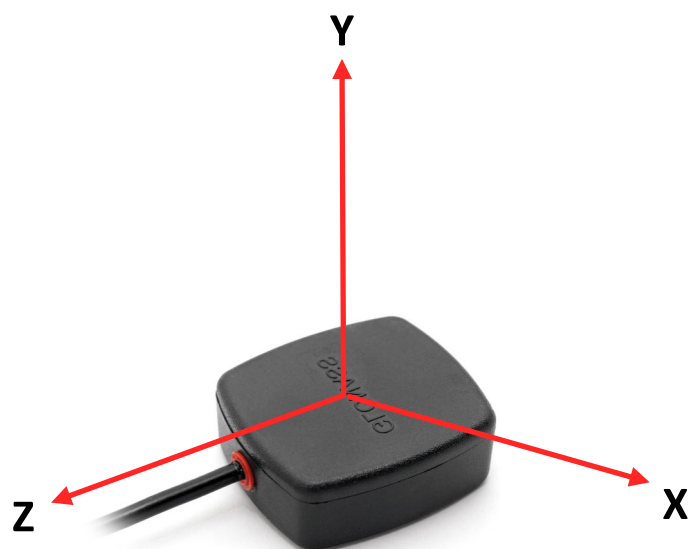
1. Antenna and electrical specifications

Passive Parameters	GPS/GLONASS Antenna	
	GPS/QZSS/Galileo	GLONASS
Standards		
Bands (MHz)	1575	1602
Frequency (MHz)	1575.42	1598-1606
Return Loss (dB)	<=-20	<=-15
VSWR	<=1.2:1dB	<=1.4dB
Efficiency (%)	~65	~68
Peak Gain (dBiC)	~3.6	~3.9
Average Gain (dB)	~1.8	~-1.6
Impedance (Ohm)	50	
Radiation Pattern	Hemispherical	

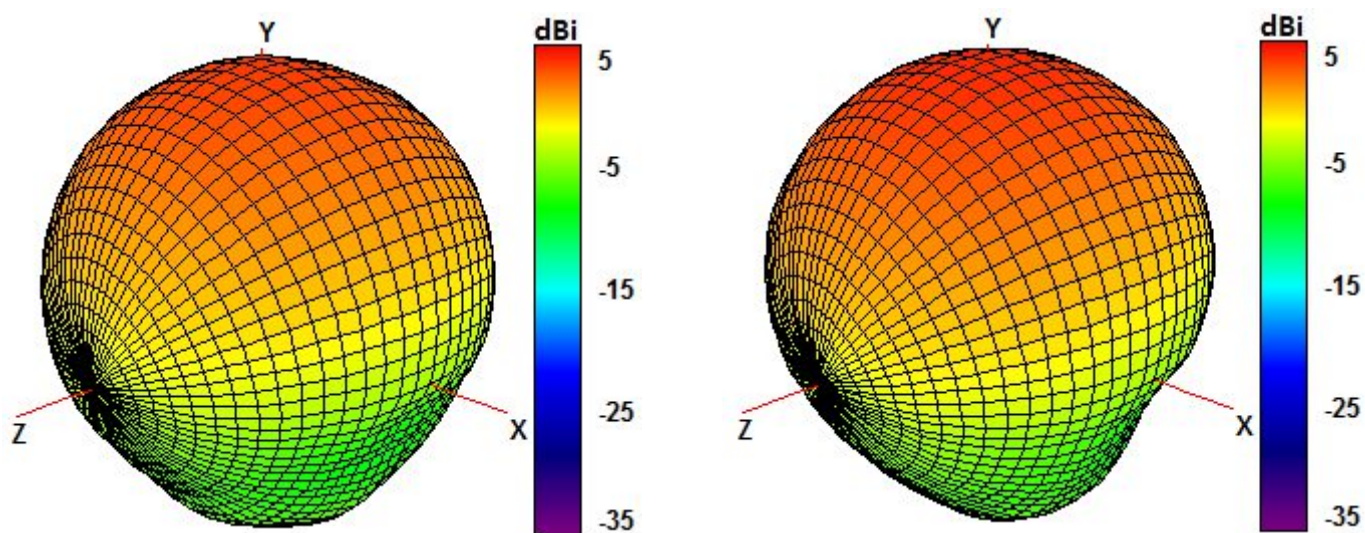
Active Parameters	GPS/GLONASS Antenna	
	GPS/QZSS/Galileo	GLONASS
Standards		
Bands (MHz)	1575	1602
Frequency (MHz)	1575.42	1598-1606
Impedance (Ohm)	50	
VSWR	<1.2:1	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Saw Filter	Post-Filter	
Active Gain (dB)	23 @ 3V, 24 @ 5V	
Noise Figure (dB)	1.15	
Voltage (V)	2.7 - 5.5	
Current (mA)	15 - 25	
Power Consumption (mW)	138 Max	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length (m)	300cm Standard (Any Cable Length Available)	
Cable Type	RG174 Standard (Other Cables Available)	

2. Mechanical and environmental specifications

Specifications	2J4301MPGFx
Mounting Type	Adhesive/Magnetic Mount
Dimensions (mm)	38 x 34 x 13.5/14.5
Random Type	ABS
Random Color	Black
Antenna Base	ABS
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificates	IP67
Substance Compliance	RoHS

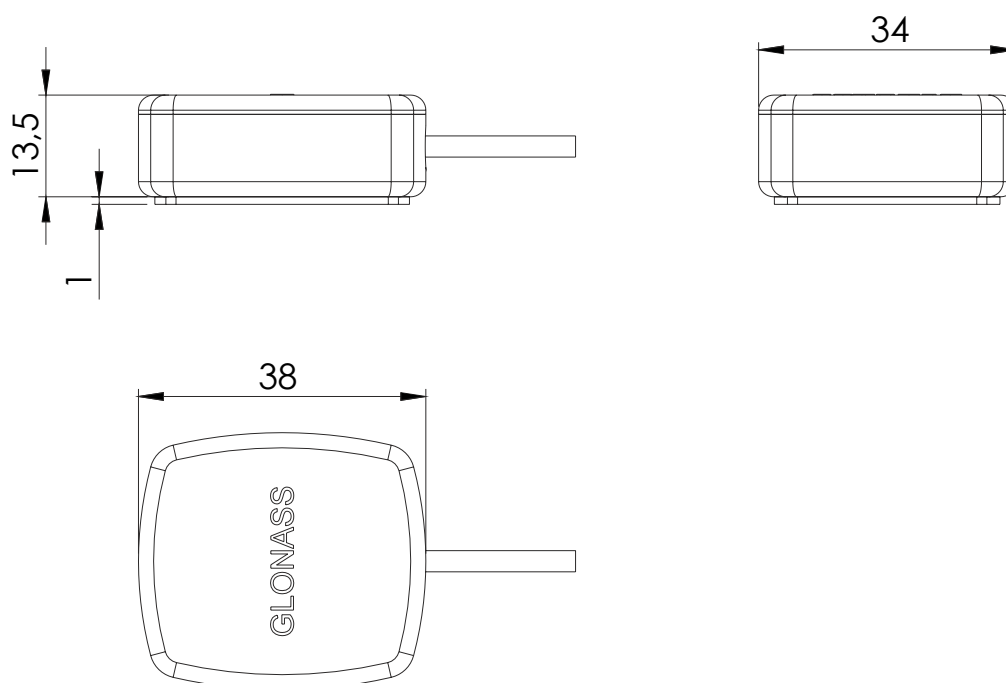


Radiation pattern reference



1575 MHz and 1600 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

