antenna conceptor

Product Datasheet

2J4D01MPGF

GPS/GLONASS Magnetic/Adhesive Mount

Key Features

GPS/GLONASS/QZSS/Galileo
- 1575-1606 MHz
Magnetic/Adhesive Mount
Pre-Filter
Voltage 1.5 - 3.6 V
Ground Plane Independent
Customizable Cable and Connector
Dimensions 41 x 34 x 13.5/14.5 mm
Certificate IP67



Note: See other Gain / Filter options available:

2J4D01MPGFz 28 dB Active Gain / Mid-Filter
2J4D01MPGFy 14 dB Active Gain / Pre-Filter

antenna conceptor

1. Antenna and electrical specifications

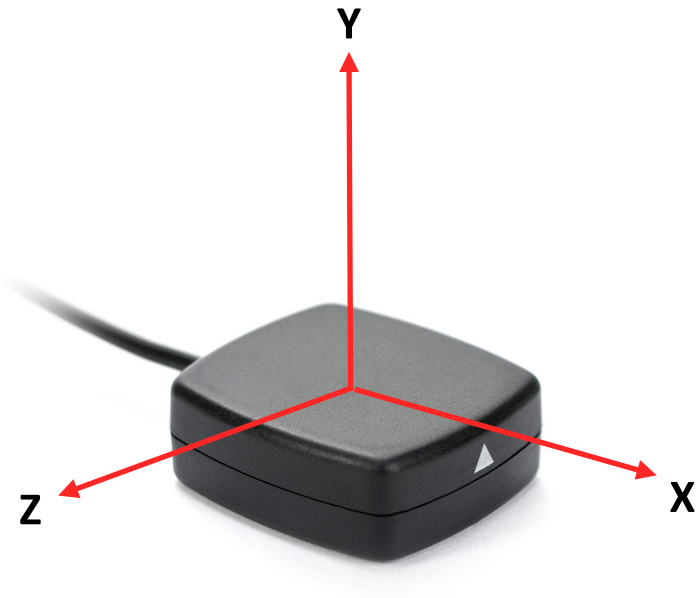
Parameters	GPS/GLONASS Antenna	
Standard	GPS/QZSS/Galileo	GLONASS
Band (MHz)	1575	1602
Frequency(MHz)	1575.42	1598-1606
Patch Size (mm)	25 x 25 x 4	
Return Loss (dB)	<=-15.0 dB	
VSWR	<=1.4:1 dB	
Impedance	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Saw Filter	Pre-Filter	
Active Gain (dB)	28 @ 2.7 V	
Noise Figure (dB)	1.5 Typ	
Voltage (V)	1.5 – 3.6	
Current (mA)	9 Typ	
Power Consumption (mW)	24.3 Typ	
ESD Protection	2 kV	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	RG174 Standard (Other Cables Available)	

Note: See other Gain / Filter options available:

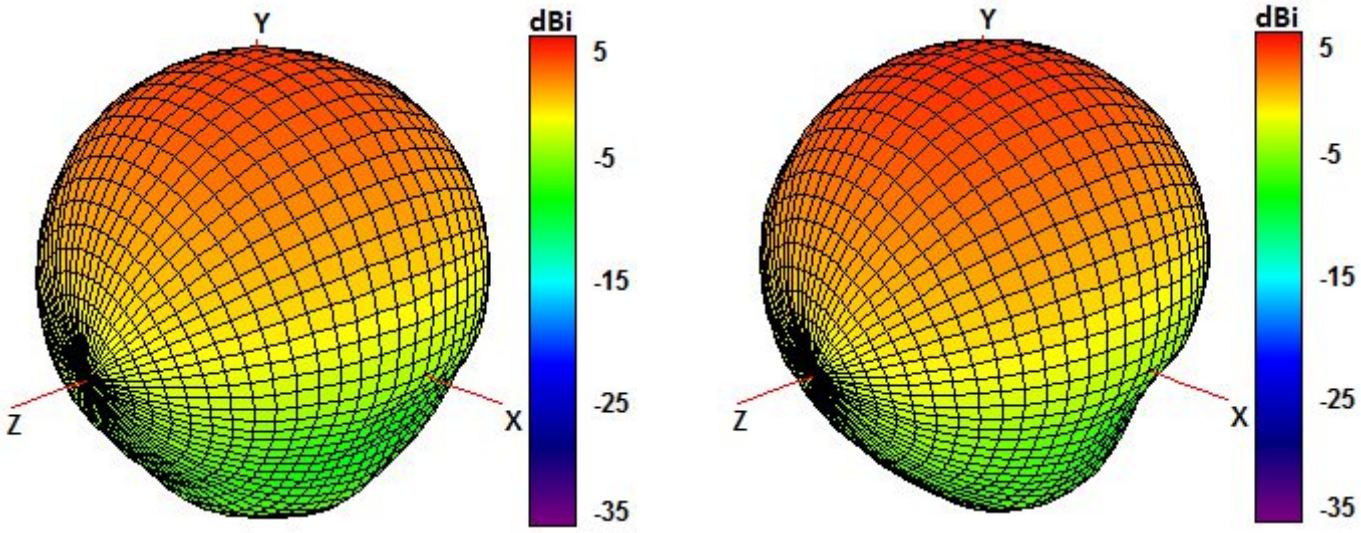
2J4D01MPGFz 28 dB Active Gain / Mid-Filter
2J4D01MPGFy 14 dB Active Gain / Pre-Filter

2. Mechanical and environmental specifications

Specifications	2J4D01MPGF
Mounting Type	Magnetic/Adhesive Mount
Dimensions (mm)	41 x 34 x 13.5/14.5
Radome Type	ABS
Radome Color	Black
Antenna Base	ABS
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificate	IP67
Substance Compliance	RoHS

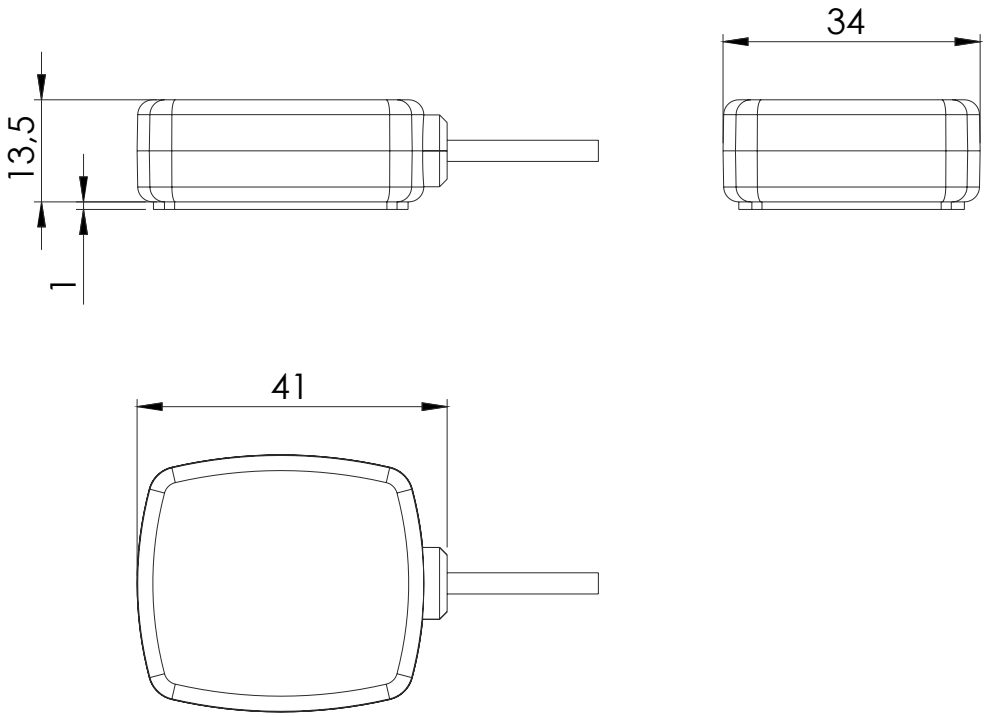


Radiation pattern reference



1575 MHz and 1600 MHz Radiation pattern

3. Antenna drawings



4. Antenna Images

