OPT1-ANT-GNS-20PA

Passive GNSS Magnetic/Adhesive Mount

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo
- 1561-1606 MHz
Magnetic/Adhesive Mount
Ground Plane Independent
Customizable Cable and Connector
Dimensions 41 x 34 x 13.5/14.5 mm
Certificate IP67

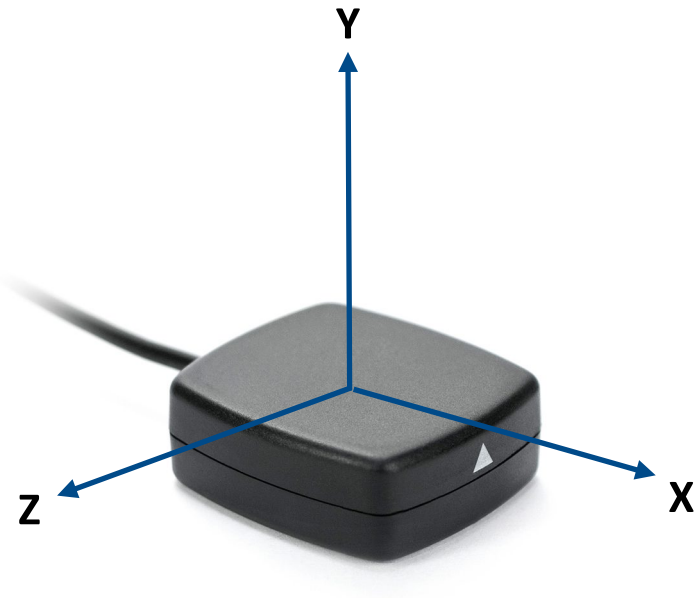


1. Antenna and electrical specifications

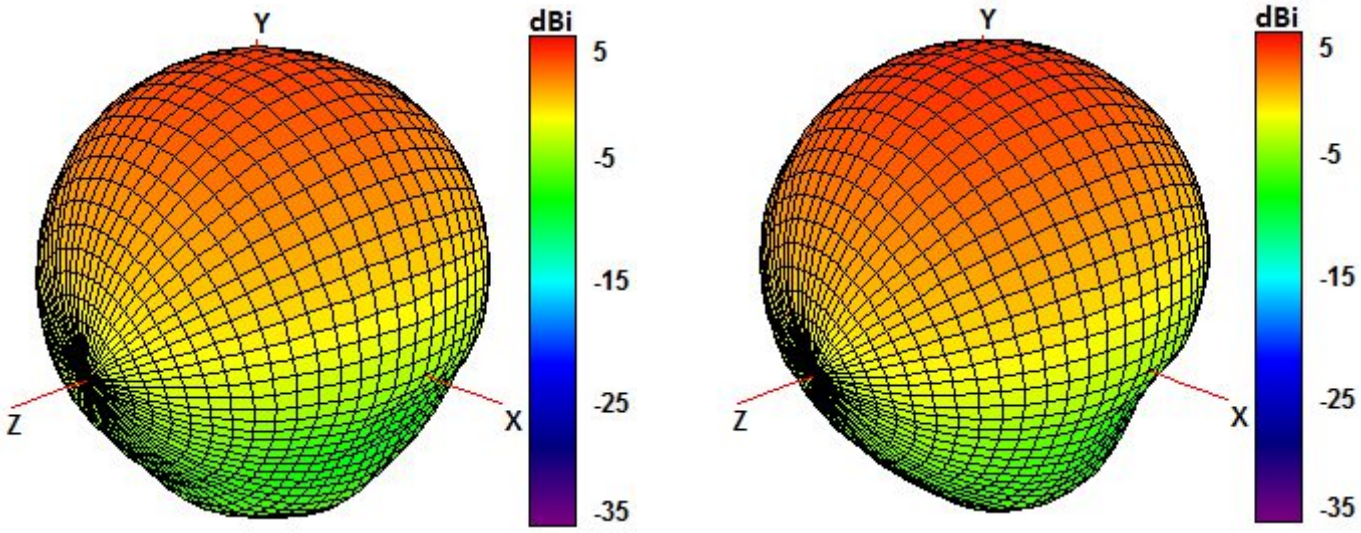
Passive Parameters	Passive GNSS Antenna		
Standards	BeiDou	GPS/QZSS/Galileo	GLONASS
Bands (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598-1606
Return Loss (dB)	<=-20		
VSWR	<=1.2:1dB		
Efficiency (%)	~65		
Peak Gain (dBiC)	~3.6		
Average Gain (dB)	~1.8		
Impendance (Ohm)	50		
Polarization	RHCP		
Radiation Pattern	Hemispherical		
Connector Type	SMA-Male Standard		
Cable Length (m)	200 cm Standard		
Cable Type	RG174 Standard		

2. Mechanical and environmental specifications

Specifications	OPT1-ANT-GNS-20PA
Mounting Type	Magnetic/Adhesive Mount
Dimensions (mm)	41 x 34 x 13.5/14.5
Radome Type	ASA
Radome Color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificate	IP67
Substance Compliance	RoHS



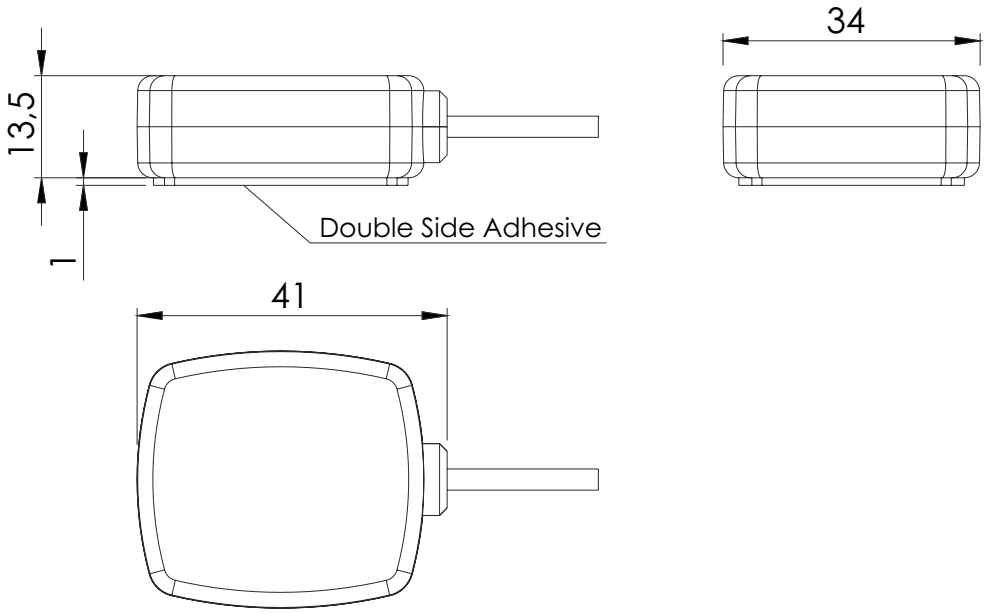
Radiation pattern reference



1575 MHz and 1600 MHz Radiation pattern

3. Antenna drawings

Adhesive Mount option



4. Antenna Images

