

2J7401BGF

GPS/GLONASS Screw Mount

Key Features

GPS/GLONASS/QZSS/Galileo

- 1575-1606 MHz

Screw Mount

Pre-Filter

Ground Plane Independent

Customizable Cable and Connector

Dimensions Ø 64 × 15.3 mm

Certificates: IP67, IP69K



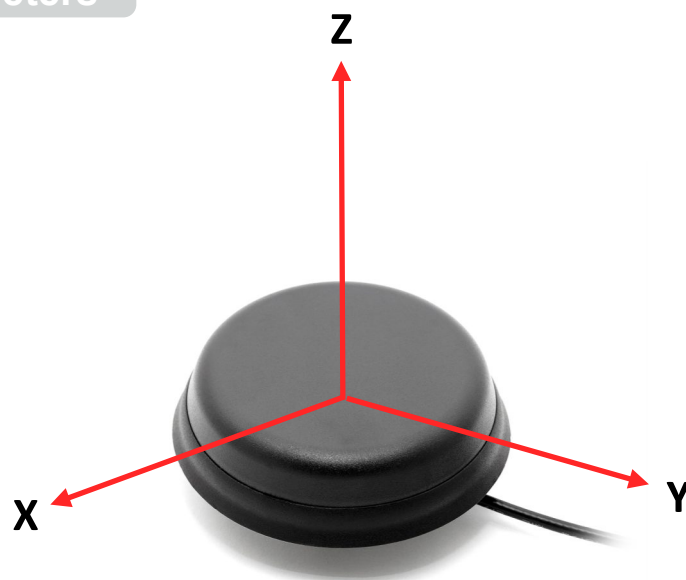
1. Antenna and electrical specifications

Parameters	GNSS Ceramic Active Antenna	
	GPS/QZSS/Galileo	GLONASS
Standards		
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 (Ohms)	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Active Gain (dB)	28dB @ 2.7V	
Noise Figure (dB)	1.8 @ 2.7V	
Voltage Range (V)	1.5 - 3.6	
Current Consumption (mA)	9 @ 2.7V	
Saw Filter Type	Pre-Filter	
Out of Band Rejection (dB)	~43	
ESD Protection (kV)	6	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	LL100 Standard (Other Cables Available)	

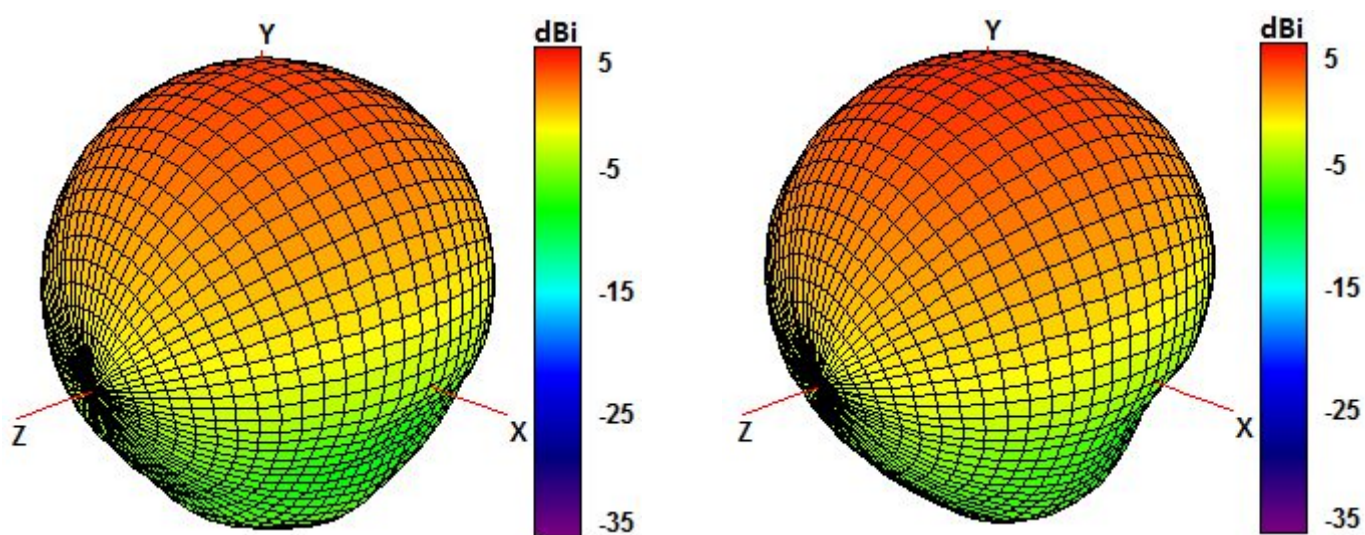
2. Mechanical and environmental specifications

Specifications	2J7401BGF
Mounting Type	Screw Mount
Dimensions (mm)	Ø 64 × 15.3
Rec. Tighten Torque (Nm)	6 Nm
Random Type	PC+ASA
Random Color	Black
Antenna Base	Zamak
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Certificates	IP67, IP69K
Substance Compliance	RoHS

3. Antenna parameters

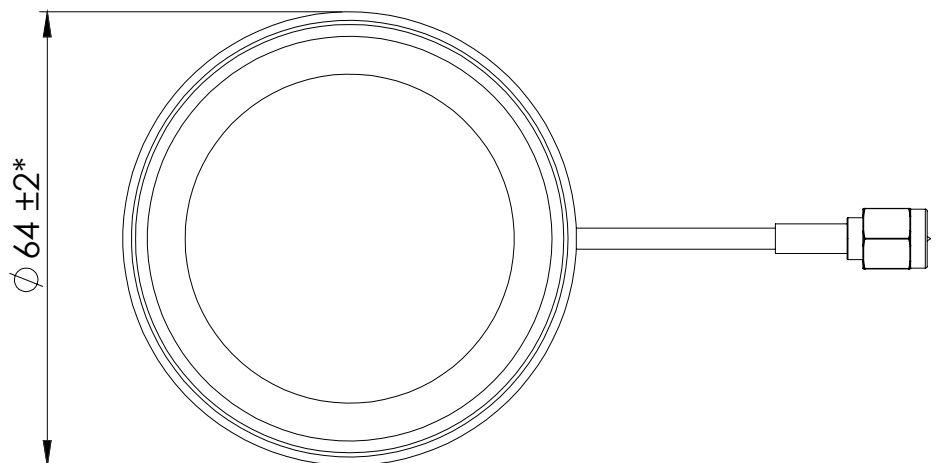
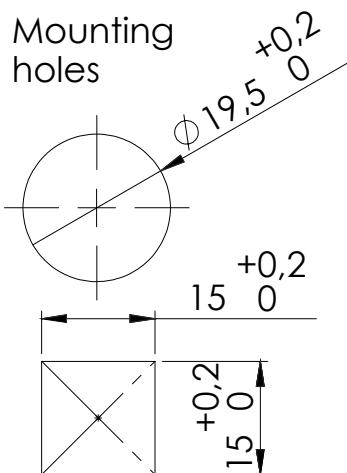
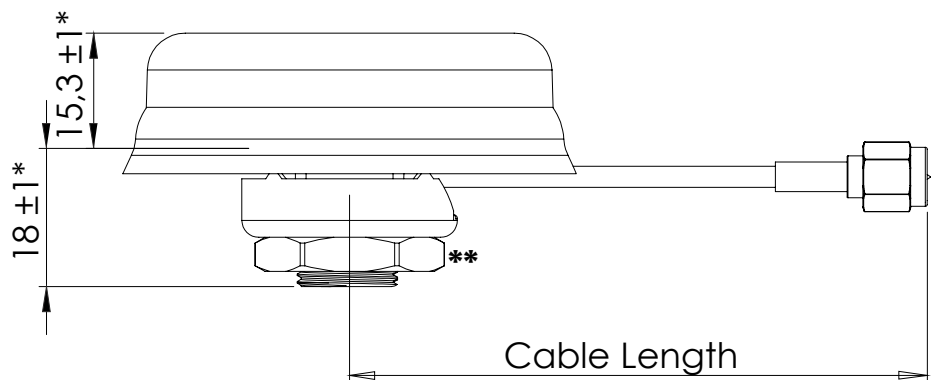
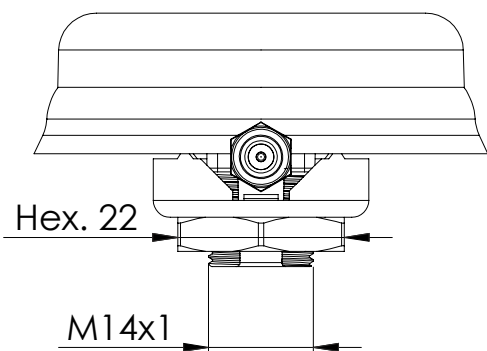
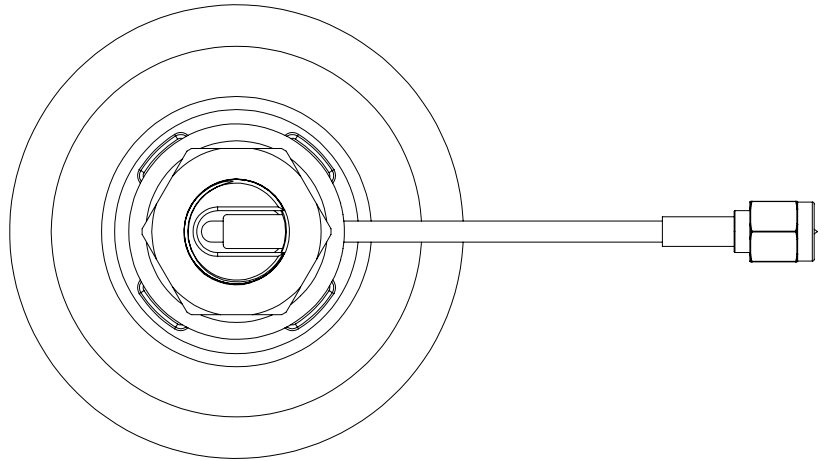


Radiation pattern reference



1575 MHz and 1602 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
 *Dimensions are after mounting
 **Rec. Torque= 6 Nm
 Mounting thickness: 4,5mm max.
 Wrench size: Hex 22mm

5. Antenna Images

