



Product Name: ADA-37B External GNSS Antenna

Part Number: ADA-37B

Features:

- Supporting: BDS/GPS/GALILEO/GLONASS
- Stable and reliable in performances
- Low temperature coefficient of frequency
- RoHS Compliant

Applications:

- Navigation systems or position tracking systems
- Car Navigation
- Security Surveillance

External Antenna

MODEL: ADA-37B

Version: 20231016

I. Patch antenna Specifications:

Items	Specifications		
Navigation	BDS	GPS/GALILEO	GLONASS
Center Frequency (MHz)	1561	1575.42	1602
V.S.W.R	≤ 3 Typ.	≤ 2.5 Typ.	≤ 2.0 Typ.
Peak Gain (dBi)	2.5 Typ.	3.0 Typ.	3.0 Typ.
Polarization	RHCP		
Impedance (Ω)	50		
Test Ground (mm)	100x100 Ground		

II. Low noise amplifier Specifications:

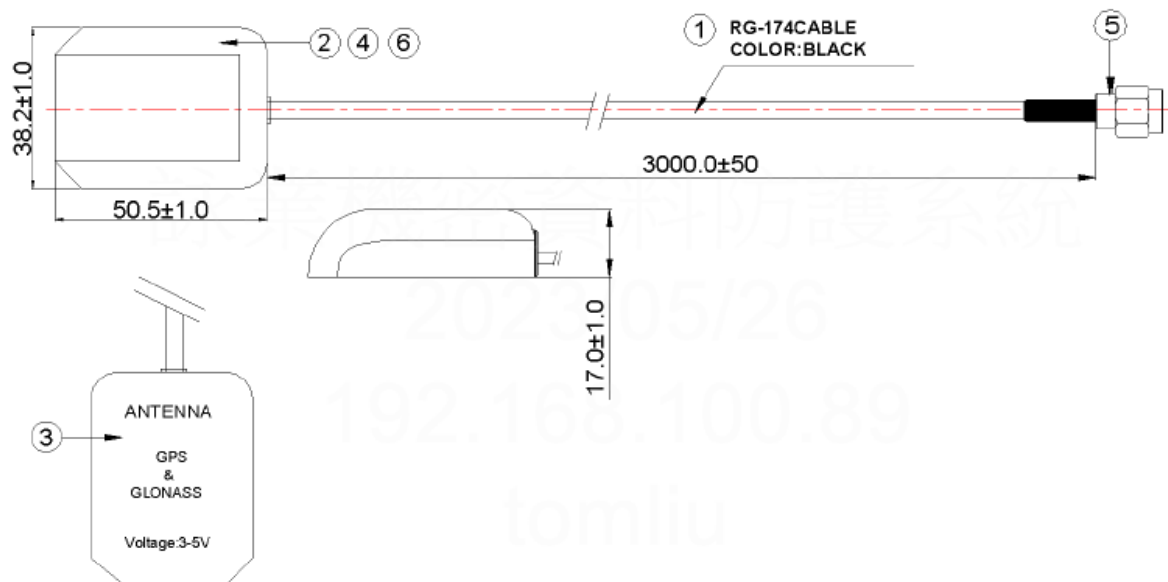
Items	Specifications		
Navigation	BDS	GPS/GALILEO	GLONASS
Center Frequency (MHz)	1561	1575.42	1602
Gain (dB)	28 Typ.	29 Typ.	29 Typ.
Noise Figure (dB)	1.7 Typ.	1.5 Typ.	1.6 Typ.
Input Voltage (V)	DC = 3.0~5 .0		
Current (mA)	9 Typ. at DC 3V		
Impedance (Ω)	50		

Physical Properties	
Dimension (mm)	50.5 (L) x 38.2 (W) X17 (H)
Connector	SMA Plug (other options available)
Cable / Length	RG-174 , 3meters
Color	Black

Environmental Conditions	
Operation & Storage Temperature (° C)	-20 ~ +80
Storage Temperature (° C)	-20 ~ +80
Relative Humidity	95% non-condensing

All specifications subject to change without notice.

III. Antenna Dimensions (unit: mm):

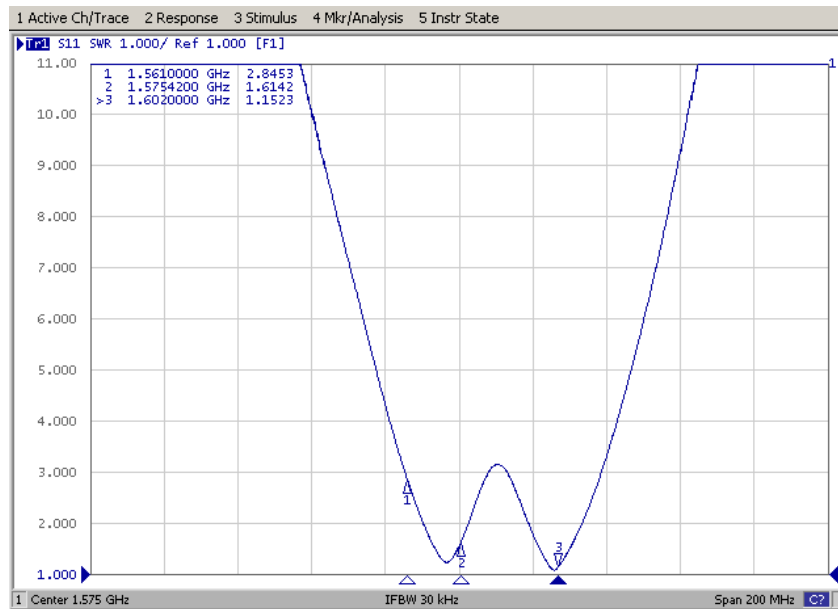


Item	Name	Material	Color	Q'ty
1	Cable RG174 Φ2.7mm	PVC	Black	1
2	Plastic Top Cover	PC	Black	1
3	Silver Dragon Sticker	-	White	1
4	Patch (Size 25x25x4mm) +PCB	PCB+Ceramic	-	1
5	SMA Plug	Copper	Gold	1
6	Magnets	-	-	1

IV. Properties:

a) V.S.W.R

L1 Band (1561MHz & 1575.42 MHz & 1602MHz)



b) LNA Gain

