

GPS Whip Active Antenna

MODEL: GA-85

Compact & Sensitive GPS antenna with Excellent Signal Amplification for Mobile Applications



- High performance
- Out-band filtering & rejection
- Voltage: 1.5~3.1 V DC
- Provides excellent signal amplification
- 9.3(Dia.) × 57.4 (L) × 6.6(H) mm
- IPX6

GA-85 is the integration of a high performance GPS whip antenna and a state-of-the-art low noise amplifier into a very low profile/ extremely compact/ fully waterproof enclosure which, when connected to a GPS receiver with 1.5~3.1V DC antenna power, provides excellent signal amplification and out-band filtering & rejection, provide 1.5~3.1V input Voltage is available.

FEATURES:

- Compact Construction/ Low Profile/
- Omni-Directional Antenna Patterns
- Excellent Temperature Stability
- Low Noise Figure
- High Sensitivity

APPLICATIONS:

- Automobile GPS
- Bluetooth Receiver
- Car Tracking Navigation System
- AVL / Fleet Management Systems
- External Antenna for Handheld GPS
- External Antenna for PDA Navigator

SPECIFICATIONS:

Physical Condition	
Construction	TPE rubber
Dimension	9.3(Dia.) × 57.4 (L) × 6.6(H) mm
Weight	2 grams
Environmental Conditions	
Operation temperature	-40°C to +85°C
Storage temperature	-40°C to +100°C

Connector

Connector Available SMA 90 right angle

Low Noise Amplifier

Center Frequency 1575.42 MHz +/- 1.023 MHz

Gain 15+/-3dB

Bandwidth 10 MHz min. @S11<=-10 dB

Noise Figure 1.5dB Typ.

Filter 25dB @ fo± 50MHz

35dB @ fo± 100MHz

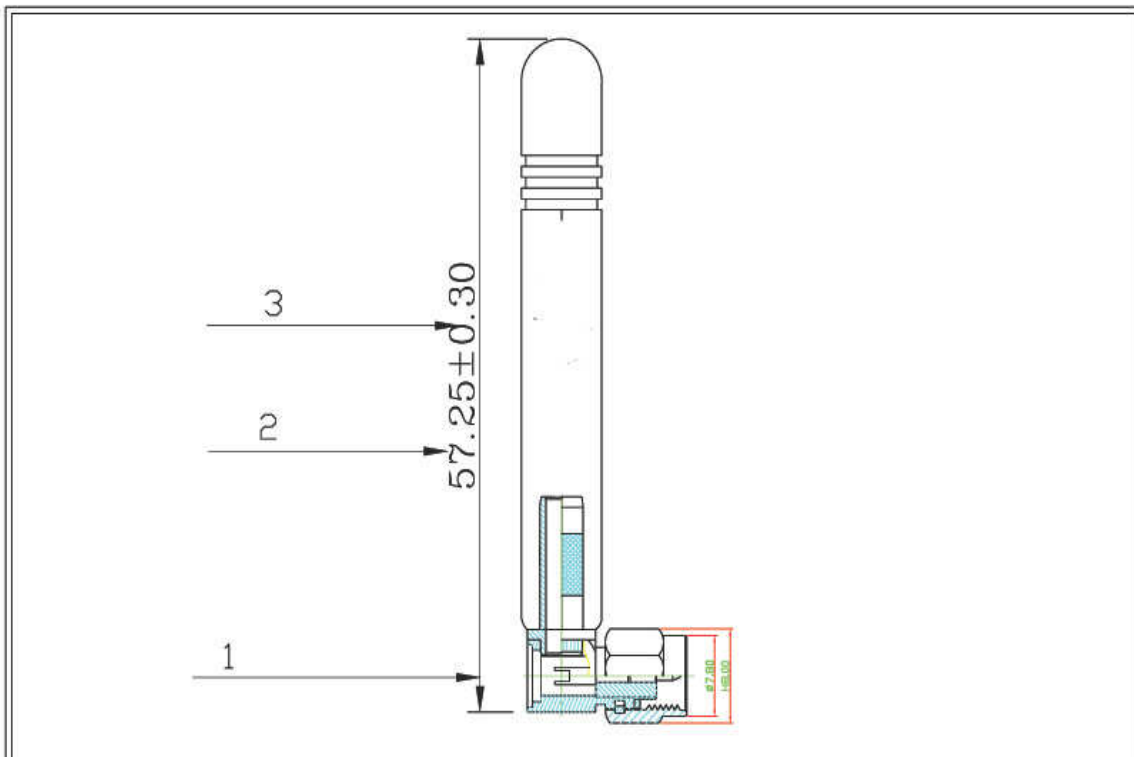
* fo=1575.42MHz

Supply Voltages 1.5~3.1V DC

Current Consumption 5mA

Output Impedance 50 ohm

Output VSWR 2.0 max.



				百展科技 www.bjtek.com.tw		百展科技有限公司 BJTEK NAVIGATION INC		TEL: 886-2-86720160 FAX: 886-2-86720181	
3	ROTARY SHAFT	BRASS	CR-BLACK	TITLE: GSM DIPOLE ANTENNA				DFC NO.:	
2	ANT. COVER	TPU	BLACK	TOLERANCE: AS SPEC. FINISH: SEE TABLE				DATE: 2008.05.23	
1	SMA CONN.	BRASS	GOLD-PLATED	MATERIAL: SEE TABLE				ISSUED: 787KEN	
ITEM	DESCRIPTION	MAT'L	FINISH	ITEM No.	DRAWN: BILL		CHECKED: LOTUS		

