Programable Step GNSS Amplifier

GA60-DV4

Descriptions:

- **Military grade working temperature -25°~60°**
- **Adjustable gain range: 0~60Db(1dB step)**
- **Operating frequency range:1164MHz ~1616MHz**
- **Output voltage at IN: 5V;**
- **Connector mode: TNC-K, N, SMA**
- **Program control mode: 232 protocol interface;**
- **Power supply mode:**
  - **220VAC to 12VDC power adapter power supply; (Standard)**
  - **Dual 18~76V DC inputs; (Optional)**
- **Input port votage: 5V DC**

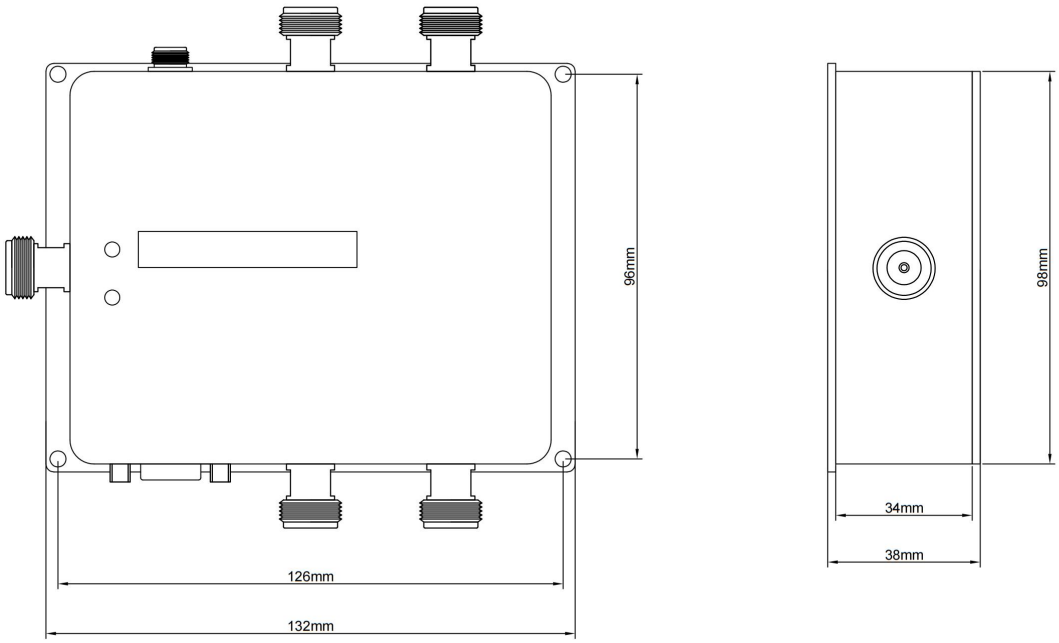
Product description

GA60-DV4 is an active GNNS amplifier with one end input and four port output ports. The signals received by the active GPS receiving antenna are evenly divided into four outputs for other receiving devices. IN such an application, the IN terminal can be configured with 5V DC to power the active GPS antenna connected to the port for operation. The other output ports will have a 200 Ohm DC load to simulate the DC loss of any receiver antenna connected to these ports. The device can control the desired gain and attenuation values using the 232 protocol. The maximum adjustable gain is 30dB.

Electrical parameters

Parameters	Condictions	Min	Std.	Max	Unit
Working temperature		-25°		60°	℃
Frequency Range	Ant to any ports	1164		1616	MHz
Input & output impedance	All ports		50		Ω
Range of Gain	1dB step		60		dB
Input VSWR			2.0:1		-
Output VSWT			2.0:1		-
Noise Figure			2	3	dB
Blance of Gain				2	dB
Isolation			20		dB
DC input	220VAC to 12VDC adaptor		12		VDC
Current			20		mA
Input 1dB Comp.					dBm
Input IP3					dBm
Max Output					dBm
Max input RF	Without demage			0	dBm
Interface		N Female、TNC Female、SMA Female			
Number of input		1			
Number of outputs		4			

Mechanical structure



Surface treatment process

Standard: nickel plating;

Options: copper plating, baking paint (conformal paint, gray)

Ordering Information

GA60-DV4-SF

Blank: N Female connectors;
SF: SMA Female connectors;
TF: TNC Female connectors;
BF: BNC Female connectors;