AD623 / AD620 Millivolt / Microvolt Voltage Signal Amplifier Module

**Features:**
1. High-end dedicated instrumentation amplifier AD623 core with high precision and good linearity.
2. Single power supply, support 3-5.5V power supply, easy to use.
3. Integrated built-in negative voltage generating module, dual power supply operation, easy to deal with negative signal / AC signal.
4. Power input LC filtering, pure and stable, to ensure the stability of signal amplification.
5. Rail-to-rail output, the maximum output swing is + - VCC, far beyond the LM358 core products / AD620 (only to VCC-1.5V)
6. Magnification 2-1000 times adjustable with potentiometer, adapt to different applications.
7. The module is simple, expandable, and convenient for secondary development.

**Specifications:**
- Input Range: 0.5VCC (i.e. the voltage between S+/S- is less than half of the power supply voltage)
- Output Range: ± VCC (rail to rail)
- Magnification: 2-1000 times (adjustable with potentiometer)
- Power Consumption: 150μA (typical) / 650μA (maximum)
- Power Supply: 3-5.5V
- Gain Accuracy: 0.35% (G>2) 0.10% (G=2)
- Input Offset Voltage: 100-200uV
- Input Offset Drift: 1uv/°C
- Common Mode Rejection Ratio: 90db
- Gain Bandwidth: 800KHz
- PCB Size: 40*23mm/1.57*0.9in
**Wiring:**

Typical wiring diagram of MOP-21 GE MINI AD623 amplifier module

**Package Contents:**
- 1 x Voltage Amplifier
- 1 x Potentiometer
- 2 x Pin Headers

**More Detailed Photos:**

Made in China