

## General purpose wideband preamplifier



## **Technical Specs**

Gain	14/20/34/40/54/60dB
Response frequency	5KHz~1200KHz
<b>Equivalent noise</b>	<7UV (60dB gain RMS valu
Filter	5KHz~50KHz 5KHz~160KHz 80KHz~480KHz 5KHz~1200KHz
Maximum output swing	10V (Vpp)
<b>Board power supply</b>	7.5V-32V
DC power supply	18-32V
Rated load	50 Ω
Working temperature	-20 °C ~ +60 °C
Dimensions (LxWxH)	110.5cm x 5.5cm x 7cm
Weight	483.7g
Interface type	2 BNC interfaces, 1 differential BNC interface, power interface
<b>Protection level</b>	IP65

## **Description and Features**

The voltage signal output by acoustic emission sensors can sometimes be as low as a few microvolts. Such weak signals, if transmitted over long distances, will inevitably decrease in strength. The original sensor signal needs to be amplified several times before transmission, and then transmitted to the signal acquisition unit through a high-frequency coaxial cable. The preamplifier is an analog circuit, with the input being the voltage signal output from the acoustic emission sensor, and the output being the amplified analog signal.





## **Certification**



