

# Variable Low Noise Current Amplifier



Stock #59-178 **1 In Stock**

⊖ 1 ⊕ A\$5,632<sup>00</sup>

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### Volume Pricing

Qty 1-2	A\$5,632.00 each
Qty 3+	A\$5,210.00 each
Need More?	<a href="#">Request Quote</a>

**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads

### General

Remote Control:  
Yes

### Physical & Mechanical Properties

Weight (g):  
320.00

Dimensions (mm):  
Case Size: 150 x 55 x 44

### Electrical

Transimpedance Gain (Ω):  
10<sup>3</sup> - 10<sup>11</sup> (adjustable in decade steps)

Bandwidth (-3 db):  
500KHz max.

**Bias Voltage:**

Adjustable by trimpot  $\pm 10V$ , max., 22mA

**Offset Adjustment:**

Adjustable by trimpot or external control voltage

**Input Current Noise (fA/ $\sqrt{Hz}$ ):**

See datasheet

## Hardware & Interface Connectivity

**Power Supply:**

Power Supply Required and Sold Separately.

USA: [#59-180](#)

Europe: [#59-180](#)

Japan: Not Available

Korea: Not Available

China: [#59-180](#)

## Environmental & Durability Factors

**Operating Temperature (°C):**

0 to +60

## Regulatory Compliance

**Certificate of Conformance:**

[View](#)

## Product Details

- Convert Small Currents to Usable Voltages
- Variable Gain
- High Speed and Low Noise Designs

Current Amplifier Modules are current-to-voltage conversion devices used to amplify a small current from a photodiode or photomultiplier with very low noise. Low Noise and High Speed amplifiers are available with variable gain functionalities. The Low Noise amplifier is a two stage, low-noise amplifier with switchable AC/DC coupling, adjustable bias voltage offset, and a 10Hz lowpass filter. The High Speed model also features AC/DC coupling in addition to an adjustable offset for baseline correction, adjustable bias for use with fast photodiodes, and a switchable 10MHz and 1MHz low pass filters.

**Note:** [#59-178](#) and [#59-179](#) require specified power supplies.