

# Variable Low Noise Current Amplifier



Stock #59-178 [CONTACT US](#)

- 1 + €3.520<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-2	€3.520,00 each
Qty 3+	€3.256,00 each
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Prices shown are exclusive of VAT/local taxes

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 ( $\Omega$ ):

$10^3 - 10^{11}$  (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 ( $^{\circ}C$ ):**

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.