

Variable Low Noise Current Amplifier



Stock **#59-178 2 In Stock**

⊖ 1 ⊕ €3.520⁰⁰

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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 (Ω):
10³ - 10¹¹ (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.