

Variable High Speed Current Amplifier



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Stock **#59-179** **3 In Stock**

⊖ 1 ⊕ **A\$5,632⁰⁰**

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Volume Pricing

Qty 1-2	A\$5,632.00 each
Qty 3+	A\$5,210.00 each
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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 40

Electrical

Transimpedance Gain (Ω):
 $10^2 - 10^8$ (adjustable in decade steps)

Bandwidth (-3 db):
200MHz max

Bias Voltage:
Adjustable by trimpot

Offset Adjustment:
Adjustable by external control voltage

Input Current Noise (fA/√Hz):
See datasheet

Hardware & Interface Connectivity

Power Requirement:
±15V, +110 mA/-90 mA

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.