

# Variable High Speed Current Amplifier



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Stock **#59-179** **1 In Stock**

⊖ 1 ⊕ C\$5,432.<sup>00</sup>

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### Volume Pricing

Qty 1-2	C\$5,432.00 each
Qty 3+	C\$5,024.60 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 40

### Electrical

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

Bandwidth (-3 db):  
200MHz max

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**Bias Voltage:**  
Adjustable by trimpot

**Offset Adjustment:**  
Adjustable by external control voltage

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**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

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## Regulatory Compliance

**Certificate of Conformance:**  
[View](#)

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## 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.