

Variable High Speed Current Amplifier



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

1 MRP ₹3,79,092

Price inclusive of all taxes

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Volume Pricing

Qty 1+	₹3,79,092 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

Adjustable by trimpot **Bias Voltage:**

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

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

Hardware & Interface Connectivity

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

Power Supply Required and Sold Separately. **Power Supply:**
USA: [#59-180](#)
Europe: [#59-180](#)
Japan: Not Available
Korea: Not Available
China: [#59-180](#)

Environmental & Durability Factors

0 to +60 **Operating Temperature (°C):**

Regulatory Compliance

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

Germany **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

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.