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Variable Low Noise Current Amplifier

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

- 1 + **MRP ₹3,79,092**

Price inclusive of all taxes

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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 44

Electrical

Transimpedance Gain (Ω):
10^3 - 10^{11} (adjustable in decade steps)

Bandwidth (-3 db):
500KHz max.

Bias Voltage:
Adjustable by trimpot ±10V, max., 22mA

Offset Adjustment:
Adjustable by trimpot or external control voltage

Input Current Noise (fA/√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 (°C):
0 to +60

Regulatory Compliance

Certificate of Conformance:
View

Country of Origin:
Germany

Imported By:
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

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.

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