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Variable Low Noise Current Amplifier



Stock **#59-178** 5 In Stock

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1

+

\$S\$4,928⁰⁰

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Volume Pricing	
Qty 1-2	\$S\$4,928.00 each
Qty 3+	\$S\$4,559.00 each
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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

Yes

Remote Control:

Physical & Mechanical Properties

320.00

Weight (g):

Case Size: 150 x 55 x 44

Dimensions (mm):

Electrical

10³ - 10¹¹ (adjustable in decade steps)

Transimpedance Gain (Ω):

500KHz max.

Bandwidth (-3 db):

	Bias Voltage: Adjustable by trimpot ±10V, max., 22mA
	Offset Adjustment: Adjustable by trimpot or external control voltage

	Input Current Noise (fA/√Hz): See datasheet
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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
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Environmental & Durability Factors

	Operating Temperature (°C): 0 to +60
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Regulatory Compliance

View	Certificate of Conformance:
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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.