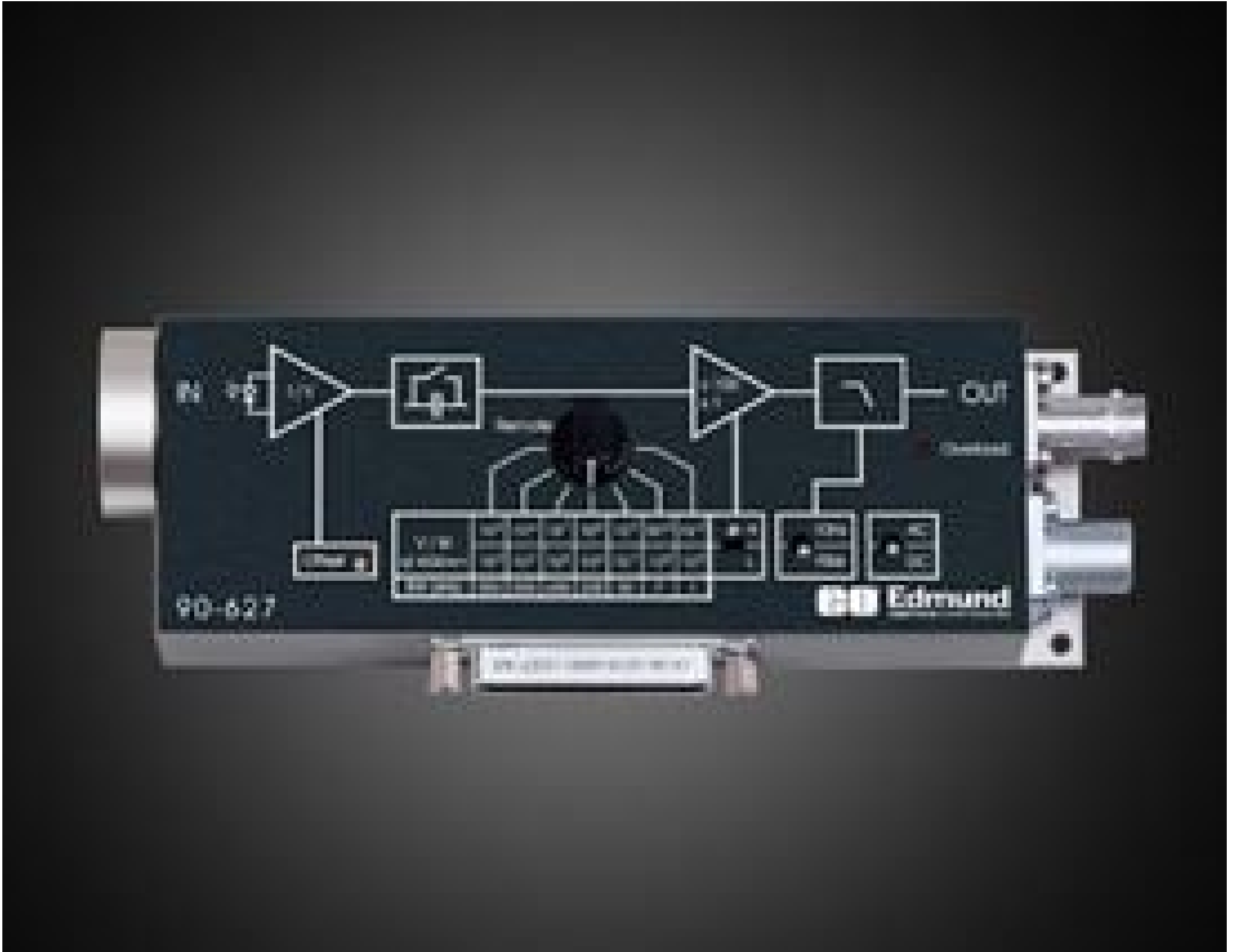


InGaAs Variable Gain Photoreceiver, 1550nm



Stock **#90-627** NEW CONTACT US

-
1
+
C\$5,722⁵⁰

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Volume Pricing	
Qty 1+	C\$5,722.50 each
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Product Downloads

General

Rise Time (µs):
0.7 - 300

Remote Control:
Yes

Note:
Includes:
LEMO® 3-pin connector
Datasheet

Physical & Mechanical Properties

Weight (g):
320

Case Size: 170 x60 x45

Dimensions (mm):

Optical Properties

900 - 1700 nm

Spectral Range:

Sensor

InGaAs PIN

Detector Type:

Electrical

Noise Equivalent Power NEP (W/ Hz^{1/2}):
6 x 10⁻¹⁵- 2.2 x 10⁻¹¹

500 KHz max

Bandwidth (-3 db):

Conversion Gain (V/W):
Low Noise: 1 x 10⁴-1 x 10¹⁰(adjustable in decade steps)
High Speed: 1 x 10⁶-1 x 10¹² (adjustable in decade steps)

Hardware & Interface Connectivity

Power Requirement:
±15 V, +150 mA-100 mA, ±200 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

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Product Details

- Ultra-Wide Adjustable Transimpedance Gain from 10² to 10¹¹ V/W
- Exceptional Low-Noise, High-Sensitivity Single-Beam Detection
- Optimized for Absolute Optical Power Measurements
- Designed for Direct, Alignment-Free Integration

Variable Gain Photoreceivers feature an ultra-wide adjustable transimpedance gain from 10² to 10¹¹ V/W, enabling precise measurement of optical signals across a broad power range. Engineered for ultra-low noise performance, these photoreceivers achieve noise equivalent power (NEP) as low as 6 fW/√Hz, ensuring accurate detection of extremely weak optical signals. Designed for single-beam detection, they provide maximum sensitivity and dynamic range, allowing for simple, alignment-free integration into optical systems. Variable Gain Photoreceivers are ideal for applications such as photonics research, optical communication testing, and precision low-light measurements.

Note: Power supply sold separately. Please see specifications for more details.