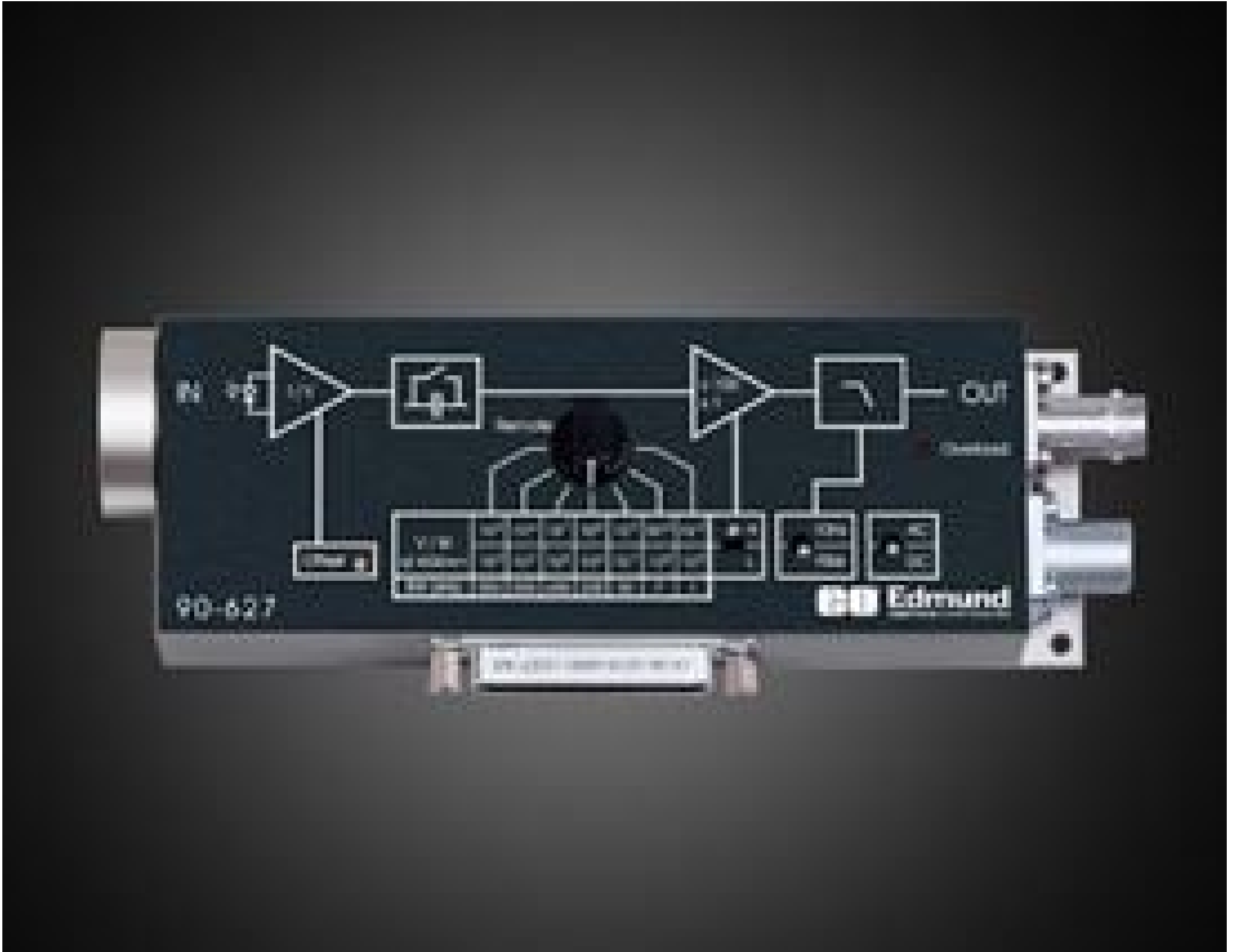


InGaAs Variable Gain Photoreceiver, 1550nm



Stock #90-627 NEW 1 In Stock

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1
+
MRP ₹4,05,153

i Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹4,05,153 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):

Case Size: 170 x 60 x 45 **Dimensions (mm):**

Optical Properties

900 - 1700 nm **Spectral Range:**

Sensor

InGaAs PIN **Detector Type:**

Electrical

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

500 KHz max **Bandwidth (-3 db):**

Conversion Gain (V/W):
 Low Noise: 1×10^4 - 1×10^{10} (adjustable in decade steps)
 High Speed: 1×10^6 - 1×10^{12} (adjustable in decade steps)

Hardware & Interface Connectivity

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

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

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

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

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

Germany **Country of Origin:**

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

- Ultra-Wide Adjustable Transimpedance Gain from 10^2 to 10^{11} 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 10^2 to 10^{11} 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/ $\sqrt{\text{Hz}}$, 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.