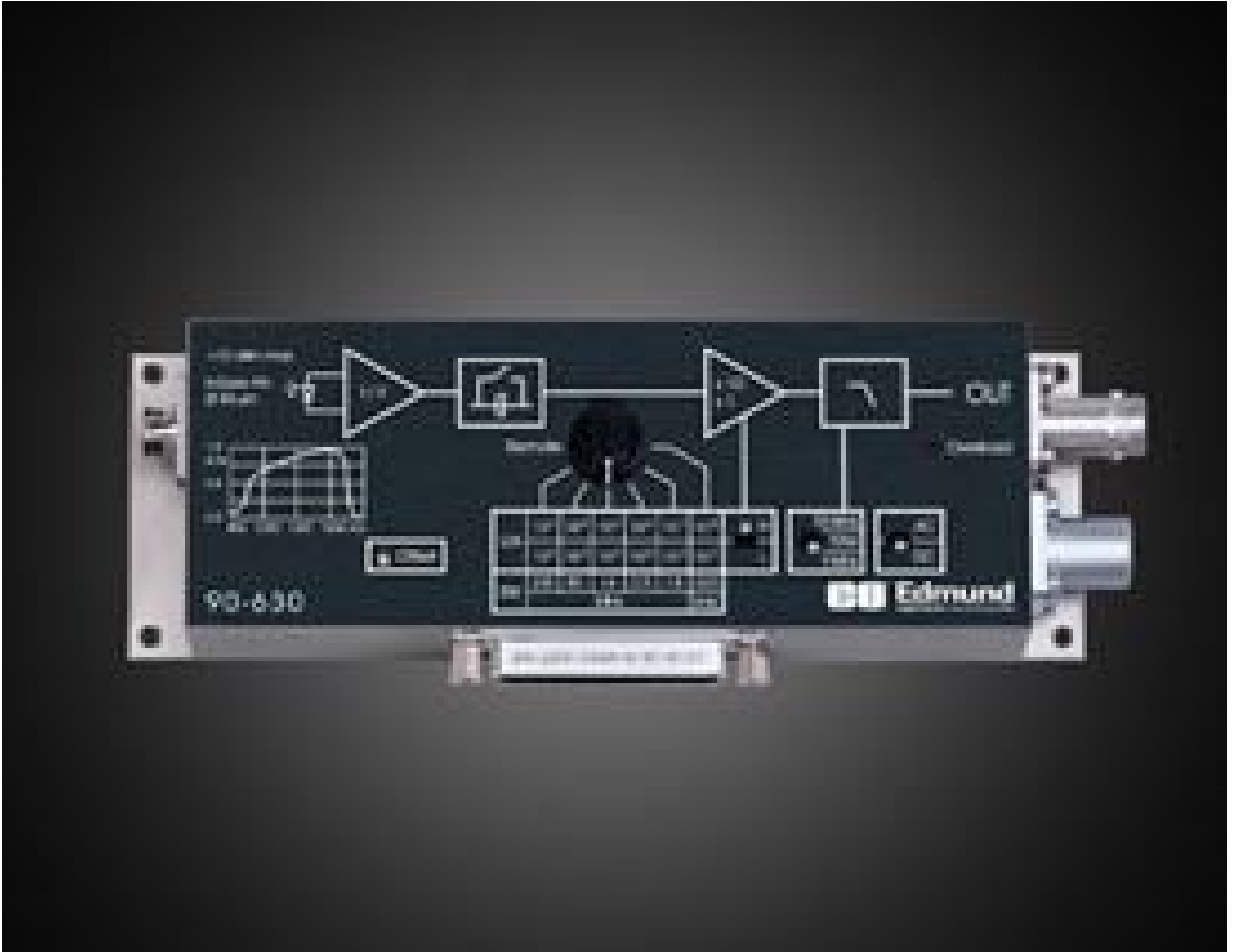


[See all 20 Products in Family](#)

InGaAs Variable Gain Photoreceiver, 900-1700nm



Stock #90-630 **NEW** 1 In Stock

- 1 + MRP ₹4,57,722

i Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1+	₹4,57,722 each
Need More?	Request Quote

Product Downloads

General

Remote Control:
Yes

Note:
Includes:
LEMO® 3-pin connector
Datasheet

Physical & Mechanical Properties

Weight (g):
320

Dimensions (mm):

Optical Properties

900 - 1700 nm **Spectral Range:**

Sensor

InGaAs PIN **Detector Type:**

Electrical

Transimpedance Gain (Ω):
Low Noise: $1 \times 10^3 - 1 \times 10^9$ (adjustable in decade steps)
High Speed: $1 \times 10^4 - 1 \times 10^9$ (adjustable in decade steps)

Noise Equivalent Power NEP ($W/Hz^{1/2}$):
 $4.7 \times 10^{-14} - 1.8 \times 10^{-10}$

200 MHz max **Bandwidth (-3 db):**

Hardware & Interface Connectivity

Power Requirement:
 $\pm 15 V, +150 mA - 100 mA, \pm 200 mA$

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

0 to +60 **Operating Temperature ($^{\circ}C$):**

Regulatory Compliance

[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 $6fW/\sqrt{Hz}$, 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.