

SI Variable Gain Photoreceiver, 850nm



#90-625 SI Variable Gain Photoreceiver, 850nm

Stock #90-625 NEW **2 In Stock**

⊖ 1 ⊕ €3.545⁰⁰

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Qty 1+	€3.545,00 each
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Product Downloads

General

0.7 - 300 **Rise Time (µs):**

Yes **Remote Control:**

Note:
Includes:
LEMO® 3-pin connector
Datasheet

Physical & Mechanical Properties

320 **Weight (g):**

Case Size: 170 x60 x45 **Dimensions (mm):**

Optical Properties

320 - 1060 nm **Spectral Range:**

Sensor

Si-PIN **Detector Type:**

Electrical

Noise Equivalent Power NEP (W/ Hz^{1/2}):
8 x 10⁻¹⁵- 3.3 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

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

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 10¹¹V/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/√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.