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SI Variable Gain



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€4.220^{,00}

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Volume Pricing	
Qty	€4.220,00
1+	each
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Prices shown are exclusive of VAT/local taxes

General

Remote Control: Yes

Note: Includes: LEMO® 3-pin connector
Datasheet

Physical & Mechanical Properties

Weight (g): 320

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

Optical Properties

Spectral Range: 320 - 1000 nm

Sensor

Detector Type: Si-PIN

Electrical

Transimpedance Gain (Ω): Low Noise: 1 x 10^3 - 1 x 10^8 (adjustable in decade steps)
High Speed: 1 x 10^4 - 1 x 10^9 (adjustable in decade steps)

Noise Equivalent Power NEP ($W/Hz^{1/2}$): 8.1×10^{-14} -
 3.25×10^{-10}

Bandwidth (-3 db): 200 MHz max

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**

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

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	110-240V Amplifier & Photodetector Power Supply		#59-180	€280,00 Volume Pricing Request Quote	CONTACT US 1
MORE+	FC/PC, FC/UPC Fiber Adapter		#90-631 NEW	€95,00 Request Quote	1 In Stock 1
MORE+	FC/APC Fiber Adapter		#90-632 NEW	€110,00 Request Quote	1 In Stock 1
MORE+	FSMA Fiber Adapter		#90-633 NEW	€80,00 Request Quote	1 In Stock 1
MORE+	100mm Low Noise BNC to BNC Cable		#90-644 NEW	€165,00 Request Quote	1 In Stock 1
MORE+	200mm Low Noise BNC to BNC Cable		#90-645 NEW	€170,00 Request Quote	1 In Stock 1
MORE+	500mm Low Noise BNC to BNC Cable		#90-646 NEW	€170,00 Request Quote	1 In Stock 1
MORE+	1m Low Noise BNC to BNC Cable		#90-647 NEW	€185,00 Request Quote	1 In Stock 1
MORE+	1.5m Low Noise BNC to BNC Cable		#90-648 NEW	€190,00 Request Quote	1 In Stock 1
MORE+	2m Low Noise BNC to BNC Cable		#90-649 NEW	€200,00 Request Quote	1 In Stock 1
MORE+	3m Low Noise BNC to BNC Cable		#90-650 NEW	€225,00 Request Quote	1 In Stock 1
MORE+	5m Low Noise BNC to BNC Cable		#90-651 NEW	€320,00 Request Quote	1 In Stock 1
MORE+	3-Pin Lemo® Connector		#90-652 NEW	€30,00 Request Quote	1 In Stock 1

	Title	Compare	Stock Number	Price	Buy
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MORE+

4-Pin Lemo® Connector

#90-654 NEW

€40,00

1 In Stock

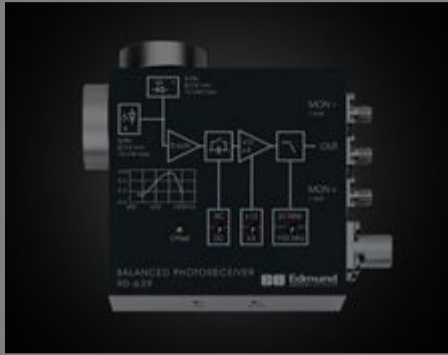
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Balanced Photoreceivers