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InGaAs Variable



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1

€3.815^{,00}

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Volume Pricing	
Qty	€3.815,00
1+	each
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General

Rise Time (µs): 0.7 - 300

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: 900 - 1700 nm

Sensor

Detector Type: InGaAs PIN

Electrical

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

Bandwidth (-3 db): 500 KHz max

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

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Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

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](#).

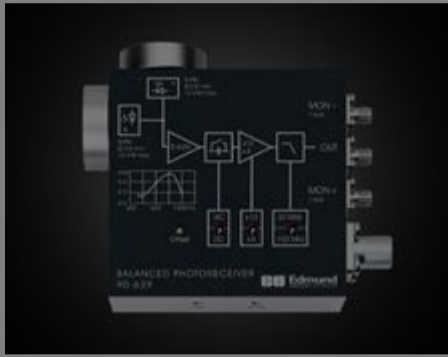
	Title	Compare	Stock Number	Price	Buy
MORE+	110-240V Amplifier & Photodetector Power Supply		#59-180	€280,00 Volume Pricing Request Quote	CONTACT US 1
MORE+	FC/PC, FC/UPC Fiber Adapter		#90-631 NEW	€95,00 Request Quote	1 In Stock 1
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MORE+	FSMA Fiber 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
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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
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	Title	Compare	Stock Number	Price	Buy
MORE+	5m Low Noise BNC to BNC Cable		#90-651 NEW	€320,00	1 In Stock <input type="text" value="1"/>
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MORE+	4-Pin Lemo® Con				1 In Stock <input type="text" value="1"/>

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