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## 1mm Dia., Four-Element Segmented InGaAs Photodiode



#17-077, 1mm Dia., Four-Element Segmented InGaAs Photodiode

Stock **#17-077** [CONTACT US](#)

1 MRP ₹31,966

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-4	₹31,966 each
Qty 5-9	₹28,568 each
Qty 10-24	₹26,444 each
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### Product Downloads

### General

Rise/ Fall Time @  $V_R=5V$  (ns):  
3 (typical)

### Physical & Mechanical Properties

Size of Active Area (mm):  
1 Dia.

Element Gap (mm):

0.045

## Electrical

**Responsivity @ 1310nm (AW):**  
0.85 minimum / 0.9 typical

**Responsivity @ 1550nm (AW):**  
0.9 minimum / 0.95 typical

**Capacitance @  $V_R=5V$  (pF):**  
25

**Noise Equivalent Power NEP (W/ Hz<sup>1/2</sup>):**  
 $1.20 \times 10^{-14}$  @ 1550nm

**Maximum Reverse Voltage (V):**  
15

**Dark Current @  $V_R=5V$  (nA):**  
Maximum: 15 Typical: 0.5

## Hardware & Interface Connectivity

**Connector:**  
TO-5

## Environmental & Durability Factors

**Operating Temperature (°C):**  
-40 to +75

**Storage Temperature (°C):**  
-55 to +125

## Regulatory Compliance

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

**Country of Origin:**  
United States

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
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## Product Details

- Four Individual Active Area Elements
- High Response Uniformity and Low Crosstalk
- Ideal for Position Detection and Beam Alignment
- [Segmented Silicon Photodiodes](#) and [InGaAs Photodiodes](#) Also Available

Segmented InGaAs Photodiodes feature large active areas divided into four individual elements. The four elements of these photodiodes have high response uniformity and low crosstalk, enabling their use in accurate nulling or centering applications. These photodiodes are stable over time and temperature, providing responsivity from 900 - 1700nm with excellent responsivity between 1100 - 1620nm. Segmented InGaAs Photodiodes are ideal for position detection, beam alignment, and beam profiling applications in the near-infrared spectrum. Each photodiode is packaged in an isolated TO-5 or TO-8 can with an antireflection coated window to increase throughput.

## Technical Information

