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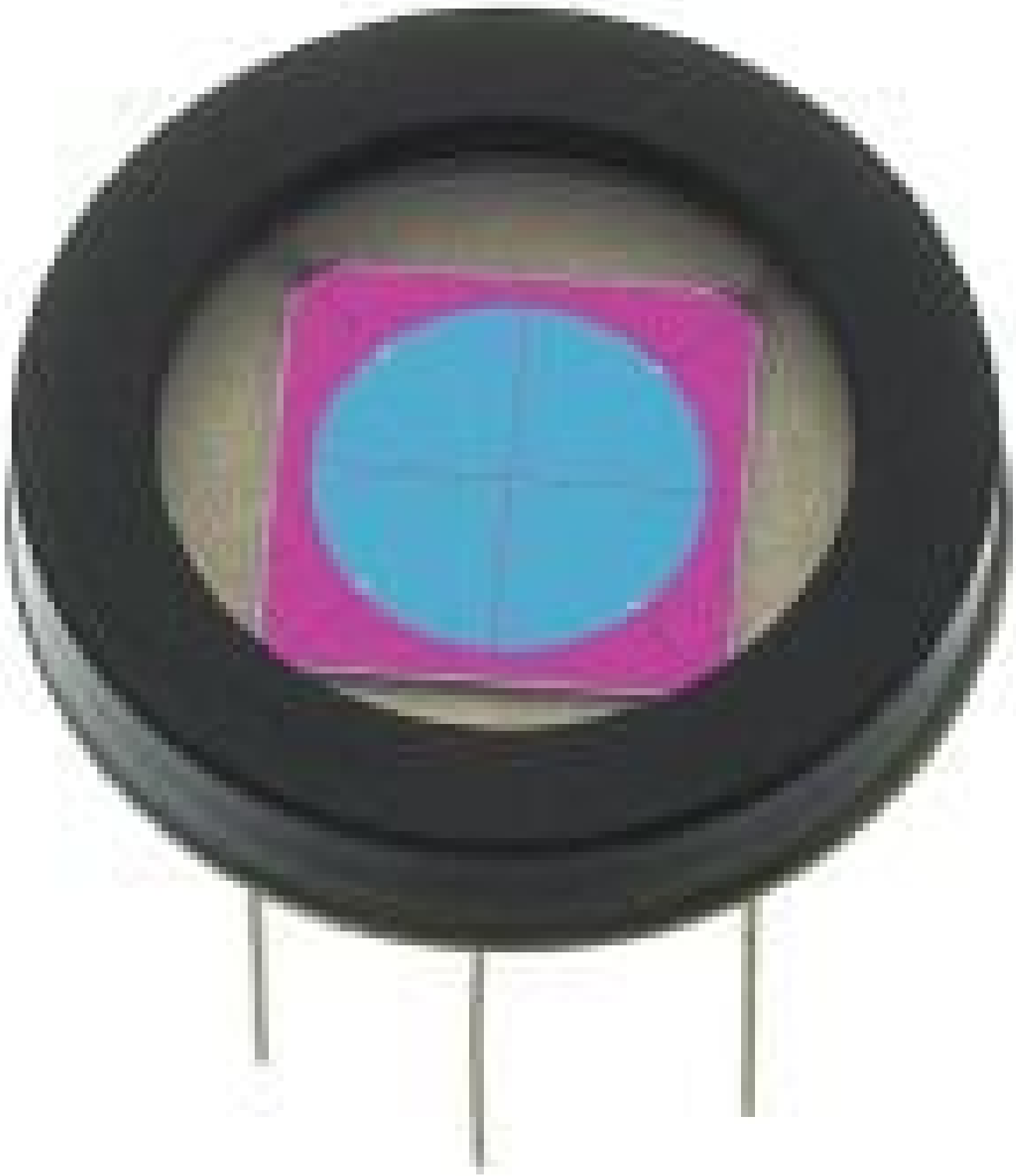
# 0.25mm$^2$ Four-Element Segmented Photodiode



Stock **#84-614** **4 In Stock**

- 1 + **MRP ₹6,531**

Price inclusive of all taxes

**ADD TO CART**

| Volume Pricing | |
|---|---|
| Qty 1-4 | **₹6,531** each |
| Qty 5-9 | **₹5,629** each |
| Qty 10-24 | **₹5,072** each |
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## General

**Rise Time (ns):** 3.00

**Model Number:** SPOT-4DMI

## Physical & Mechanical Properties

**Size of Active Area (mm):** 0.5 x 0.5

**Active Area ($mm^2$):**
0.25

**Element Gap (mm):**
0.013

## Electrical

**Responsivity @ 970nm (A/W):**
Minimum: 0.6
Typical: 0.65

**Capacitance @ $V_R$=-10V (pF):**
1.00

**Noise Equivalent Power NEP (W/ $Hz^{1/2}$):**
$2.8 \times 10^{-15}$ @ -10 V, 970nm

**Maximum Reverse Voltage (V):**
30.00

**Dark Current @ $V_R$=-10V (nA):**
Maximum: 0.5
Typical: 0.01

## Hardware & Interface Connectivity

**Connector:**
41 / TO-5

## Environmental & Durability Factors

**Operating Temperature (°C):**
-40 to 100

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

## Regulatory Compliance

**Certificate of Conformance:**
View

**Country of Origin:**
Malaysia

**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

- High Stability Over Temperature and Time
- Excellent Resolution, High Accuracy, Ultra-Low Dark Current
- Two or Four Separate Active Area Segments
- Segmented InGaAs Photodiodes Also Available

Segmented Photodiodes are designed for a wide variety of applications that require high stability and fast response times. Featuring position resolutions of greater than 0.1µm, Segmented Photodiodes are ideal for surface profiling, position measurement, alignment, or targeting. Segmented Photodiodes are segmented into either two or four separate active areas and have spectral response ranges from 350 – 1100nm. The segmented regions allow various measurement profiles on a single detector.

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