

1.61mm² Four-Element Segmented Photodiode



Stock #84-612 **9 In Stock**

- 1 + MRP ₹7,646

Price inclusive of all taxes

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Volume Pricing

Qty 1-4	₹7,646 each
Qty 5-9	₹6,797 each
Qty 10-24	₹6,160 each
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General

3.00 Rise Time (ns):

SPOT-4D Model Number:

Physical & Mechanical Properties

1.3x1.3 Size of Active Area (mm):

1.61 **Active Area (mm²):**

0.172 **Element Gap (mm):**

Electrical

Responsivity @ 970nm (AW):
Minimum: 0.6
Typical: 0.65

Capacitance @ V_R=-10V (pF):
5.00

Noise Equivalent Power NEP (W/ Hz^{1/2}):
8.7 x 10⁻¹⁵ @ -10 V, 970nm

Maximum Reverse Voltage (V):
30.00

Dark Current @ V_R=-10V (nA):
Maximum: 1
Typical: 0.1

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:
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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.