

1.61mm² Four-Element Segmented Photodiode



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

⊖ 1 ⊕ £57⁰⁰

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Volume Pricing

Qty 1-4	£57.60 each
Qty 5-9	£51.20 each
Qty 10-24	£46.40 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

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	
Minimum: 0.6 Typical: 0.65	Responsivity @ 970nm (AW):
5.00	Capacitance @ V_R=-10V (pF):
8.7 x 10 ⁻¹⁵	Noise Equivalent Power NEP (W/ Hz^{1/2}): @ -10 V, 970nm
30.00	Maximum Reverse Voltage (V):
Maximum: 1 Typical: 0.1	Dark Current @ V_R=-10V (nA):
Hardware & Interface Connectivity	
41 / TO-5	Connector:
Environmental & Durability Factors	
-40 to 100	Operating Temperature (°C):
-55 to 125	Storage Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

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.