0.25mm^2 Four-Element Segmented Photodiode

Stock **#84-614** CONTACT US

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Qty 1-4
₹5,445

Qty 5+
₹4,680

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SPECIFICATIONS

General

Rise Time (ns):	3.00
Model Number:	

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/ $Hz^{1/2}$):
2.8×10^{-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

RoHS:
Compliant

Certificate of Conformance:
View

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.