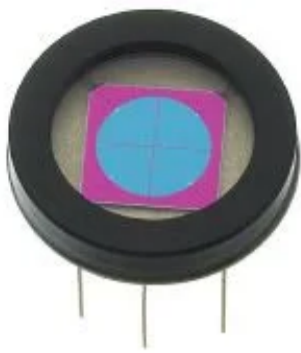


1.61mm² Four-Element Segmented Photodiode




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

- 1 + C\$100^{.80}

ADD TO CART

Volume Pricing	
Qty 1-4	C\$100.80 each
Qty 5-9	C\$89.60 each
Qty 10-24	C\$81.20 each
Need More?	Request Quote

Product Downloads
 EO Spec Sheet

General

Rise Time (ns): 3.00	Model Number: SPOT-4D
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Physical & Mechanical Properties

Size of Active Area (mm): 1.3 x 1.3	Active Area (mm²): 1.61
Element Gap (mm): 0.172	

Electrical

Responsivity @ 970nm (A/W): 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	
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Environmental & Durability Factors

Operating Temperature (°C): -40 to 100	Storage Temperature (°C): -55 to 125
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Regulatory Compliance

Certificate of Conformance: View	
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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 $0.1\mu\text{m}$, 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.

Frequently Purchased Together



#33-425 - LightPath 354125 | 11mm Dia., 0.50 NA, BBAR (350-700nm), Molded Aspheric Lens
C\$166.60

Qty



#39-729 - 500 μm Aperture Diameter, Unmounted, Precision Pinhole
C\$101.50

Qty



#39-730 - 1000 μm Aperture Diameter, Unmounted, Precision Pinhole
C\$101.50

Qty



#43-466 - 25mm Dia. x 50mm FL Protected Aluminum, Concave Mirror
C\$76.30

Qty



Resources

Media Type

- FAQ
- Glossary
- Application Note

? FAQ

How do I use your silicon detectors?

GLOSSARY

Amplifiers

GLOSSARY

Breakdown Voltage (BDV)

GLOSSARY

Capacitance

GLOSSARY

Dark Current

GLOSSARY

Detectivity

View More

