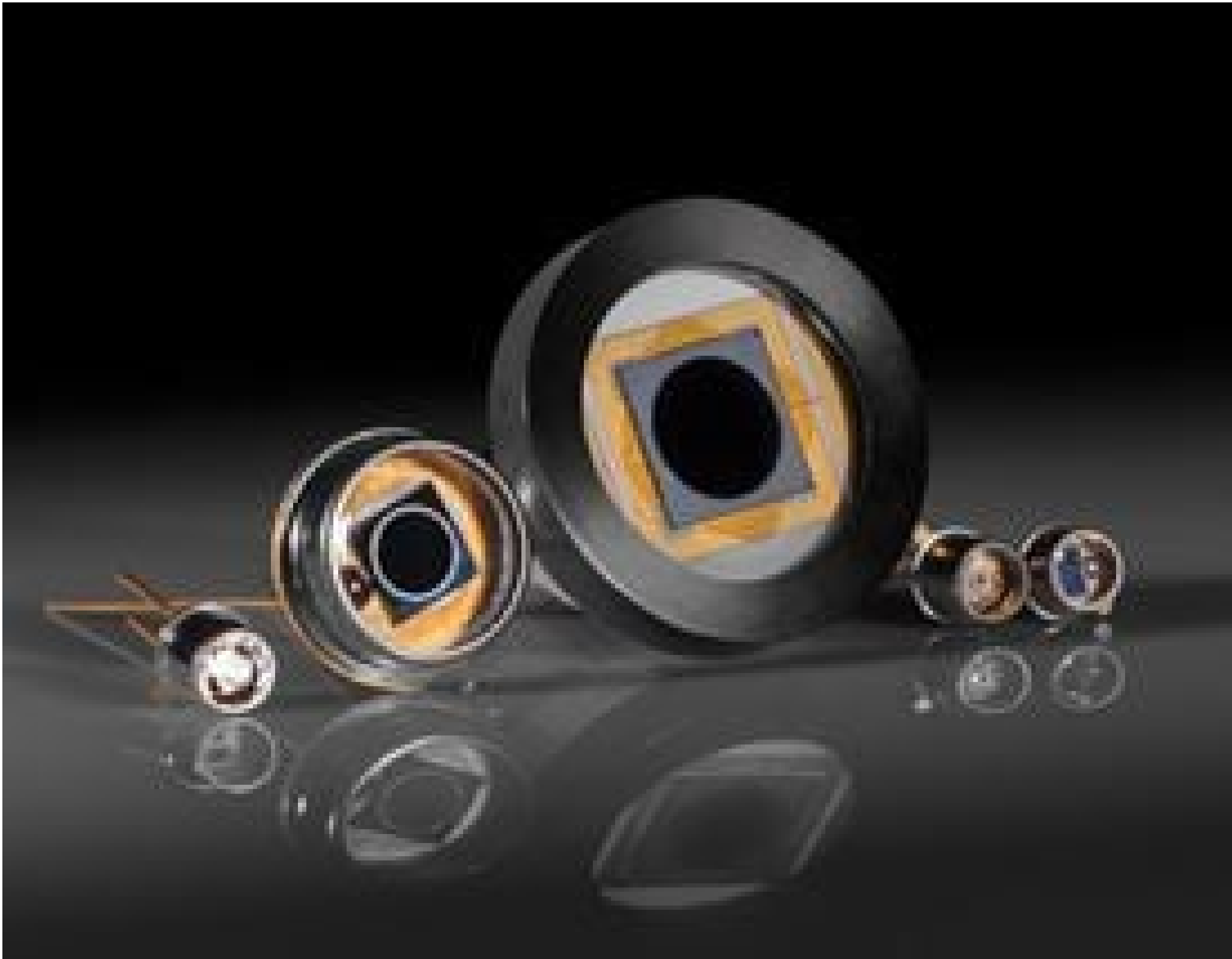


Normal Response, 44.0mm², Silicon Detector



Silicon Photodiodes

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Operating Temperature (°C):

-40 to 100

Type:

Biased

Typical Applications:

High light levels, pulse detectors, AC light measurement

Terminal Capacitance (pF): 700 @ 0 V; 130 @ 10 V
Rise Time (ns): 24 @ -10 V/50 Ω, 632nm
Voltage Bias, V_{Bias} (V): -10
Responsivity @ 970nm (AW): 0.65
Active Area (mm²): 44.0
Noise Equivalent Power NEP (W/ Hz^{1/2}): 2.8 x 10 ⁻¹⁴
Detectivity (cmHz^{1/2}/W): 2.37 x 10 ¹³ @ -10 V, 970nm
Maximum Breakdown Voltage (V): 30.00
Model Number: PIN-44D
Note: Normal Response
Construction: PIN
Outer Diameter (inches): 0.550
Dark Current I_d (nA): 1 @ 10V
Length of Leads (inches): 1.50
Protective Window: Borosilicate
Package: TO-8

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View