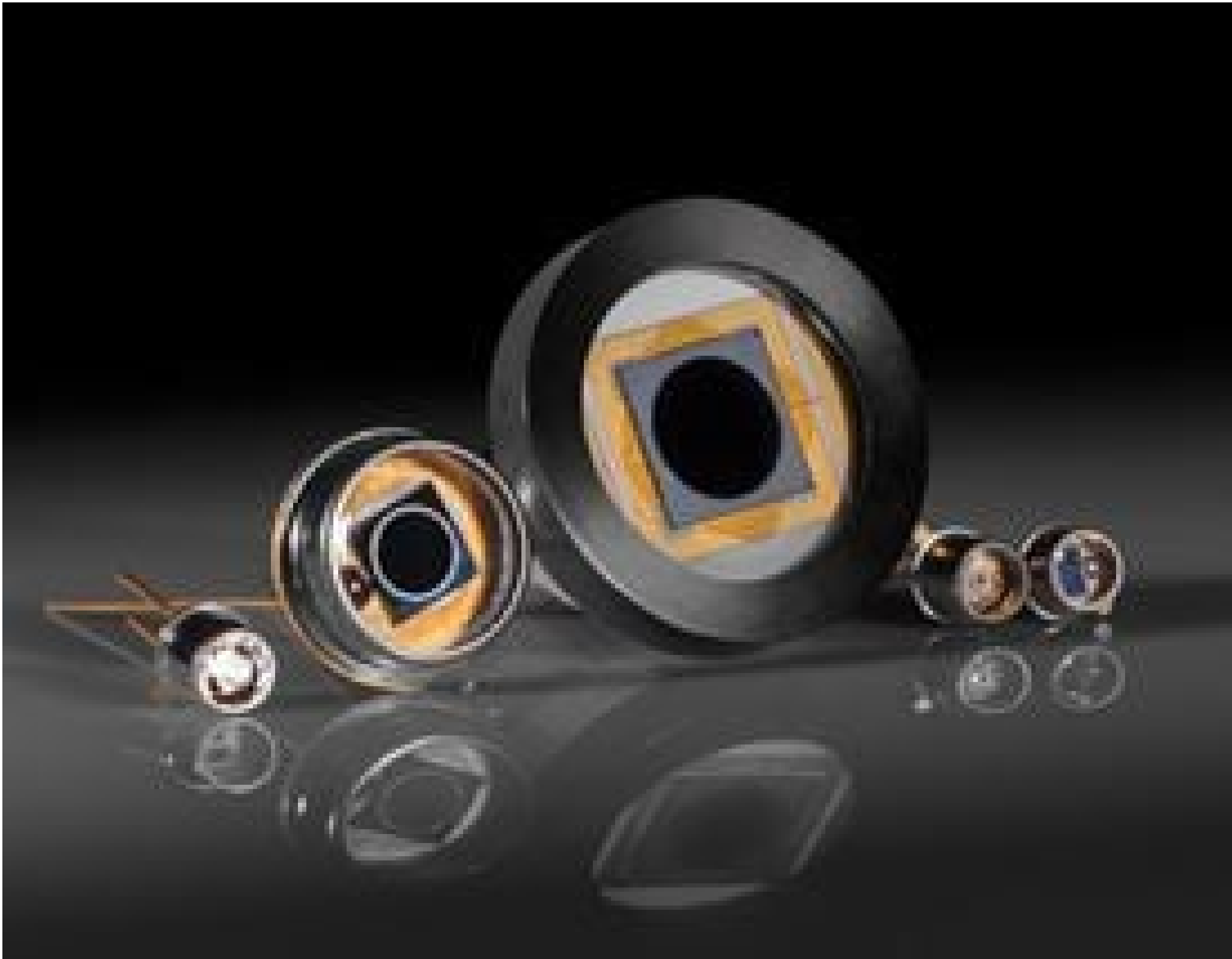


UV Enhanced Response, 0.8mm², Silicon Detector



Silicon Photodiodes

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Operating Temperature (°C):
-20 to 60

Type:
Unbiased

Typical Applications:
Low light levels, wide spectral bandwidth response

Terminal Capacitance (pF):
60 @ 0 V

Rise Time (µs):
0.2 @ 0 V/50 Ω, 254nm

Shunt Resistance @ V=-10mV (MΩ): 500.00
Saturation Current, I_{sat} (mA): 0.1
Responsivity @ 254nm (AW): 0.14
Active Area (mm²): 0.8
Noise Equivalent Power NEP (W/ Hz^{1/2}): 6.4 x 10 ⁻¹⁴
Detectivity (cmHz^{1/2}/W): 1.4 x 10 ¹² @ 0 V, 254nm
Model Number: UV-001
Note: UV Enhanced Response
Construction: Inversion Layer
Protective Window: Quartz
Package: TO-5

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View