High-performance Si PIN photodiode for FSO, laser and analysis applications

The new high-sensitivity photodiode offers easy integration into compact systems.

News provided by:
Hamamatsu Photonics Europe
April 13, 2026
Contact us

Share this article:

S15152 silicon photodiode ©Hamamatsu Photonics

Hamamatsu Photonics announces the release of the S15152 Si PIN photodiode, engineered to support researchers and engineers requiring accurate, high-speed detection in laser-based and electronics instrumentation. With strong infrared sensitivity and high response, this model expands the toolkit available for optical measurement, free space optical communication, and dimensional analysis.

Key Benefits

- Easy integration into compact or high-volume electronics: Surface-mount package
- Meets environmental and RoHS-compliant manufacturing requirements: Lead-free solder compatible
- Ensures reliable, fast data acquisition for modern optical systems: High sensitivity & speed

Target Applications

The S15152 supports a broad range of optical communication and sensing applications, particularly those requiring a wide field of view, including:

- Free-space optical communication (FSO)
- Laser radar systems
- Optical power meters
- Barcode readers
- Measurement and analysis

For detailed technical details, please visit the S15152 silicon photodiode product page and datasheet.