

New Si PIN photodiode for high-speed YAG laser detection

Combining high infrared sensitivity, fast response, and a large photosensitive area for stable optical detection in laser-based and analytical systems.

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S17348 Si PIN photodiode ©Hamamatsu Photonics

Hamamatsu Photonics announces the release of a new Si PIN photodiode, the S17348, engineered to support researchers and engineers requiring accurate, high-speed detection in YAG laser and analytical instrumentation. With strong infrared sensitivity and fast temporal response, this sensor expands the toolkit available for optical measurement and monitoring applications.

Key benefits

- **Optimized for YAG laser detection:** High infrared sensitivity of 0.37 A/W ($\lambda = 1060$ nm)
- **Fast response for high-speed systems:** 120 MHz cutoff frequency at $V_R = 100$ V
- **Large photosensitive area:** Provides strong signal collection efficiency
- **Long-term stability with robust packaging:** Housed in a TO-5 metal package

Target applications

The S17348 is ideal for YAG laser detection, and is also well suited to fiber laser detection, analytical instruments, and other optical measurement systems requiring fast, stable signal

monitoring. Its combination of infrared sensitivity and fast response makes it a strong fit for industrial and laboratory applications.

For detailed technical details, visit the [S17348 silicon photodiode](#) product page and datasheet.