Compact 310 nm photodiode for critical UVB and hydrogen applications

This new surface-mount, leadless ceramic package delivers high UV sensitivity in a thin, space-saving design.

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S16495 silicon photodiode ©Hamamatsu Photonics

Hamamatsu Photonics, a global leader in photonic sensors, announces the launch of the S16495 silicon photodiode. Engineered for optimal performance at 310 nm, this device features a specialized filter and a compact, leadless ceramic package, making it the ideal solution for hydrogen and UVB detection.

Key Benefits

Designed for both R&D and industrial engineering professionals, the S16495 photodiode provides reliable, high-sensitivity detection at 310 nm. This is critical for monitoring hydrogen levels and UVB radiation in industrial, environmental, and research settings. Its compact, surface-mount design ensures easy integration and efficient use of space, while the narrow spectral response delivers accurate photometric measurements with minimal stray light. Key benefits include:

- **Compact Design**: Leadless ceramic package enables easy integration and minimizes space requirements.
- **High Sensitivity**: Specialized monochromatic light filter ensures precise detection at 310nm for hydrogen and UVB monitoring.

- **Versatile Applications**: Supports safety and performance in a wide range of industrial and environmental contexts.

This new photodiode represents a significant advancement over previous models, reinforcing Hamamatsu's commitment to delivering solutions that meet evolving customer needs.

Target Applications

- Hydrogen detection
- UVB monitoring

For full technical details, visit the S16495 Silicon Photodiode product page and datasheet.