

Pressemitteilung

Avalanche Photodiode for the Ultraviolet Spectral Range

World's First: Si Avalanche Photodiode for 200 - 1000 nm

The innovations made by LASER COMPONENTS Detectors Group do not stop. A new detector, the SUR500, was developed specifically for (bio-)medical applications in which the smallest signals in the short-wave UV/blue spectral range have to be detected.

Due to their very high sensitivity and their extremely low noise, SUR-series avalanche photodiodes are suited for measurements in photometry or in analytical systems as well as for fluorescence measurements.

In addition to measurements in the optimized blue and UV spectral range the photodiode can be used for measurements in the entire wavelength range between 200 nm and 1000 nm.

The SUR500 performance is excellent. At 400 nm the detector has a noise equivalent power (NEP) of typically only 9 fW/sqrt(Hz) at a sensitivity of about 28 A/W. Such values can only be achieved with a special reach-through structure developed by LASER COMPONENTS.

The SUR series is currently available with an active diameter of 500 µm. Other low noise versions at 1.5 mm and 3 mm will be available soon. The TO housings, which were optimized specifically for the UV range, are hermetically sealed and very compact.

Weitere Informationen

<http://www.lasercomponents.com/de-en/product/silicon-avalanche-photodiodes-200-1100-nm/>

Trade Shows

Photonex 2012, October, 17-18 2012, Ricoh Arena, UK, **Booth D20**
Opto, October 23-25, 2012, Paris Expo, Porte de Versailles, France, **Hall 1**
Vision 2012, Nov, 06-08, 2012, Trade Fair Centre Stuttgart, Germany, **Booth 1F14**
electronica 2012, Nov, 13-16, 2012, Munich International Trade Fairs, Germany, **Booth A2.306**

The Company

LASER COMPONENTS is specialized in the development, manufacture, and sale of components and services for the laser and opto-electronics industries. With sales offices in four different countries, the company has served its customers since 1982. In-house production at six locations in Germany, Canada, and the USA began in 1986 and is meanwhile responsible for about half of its turnover. Currently, the family-run business employs more than 140 people worldwide.

Bei Veröffentlichung Belegexemplar erbeten.

1 Laser Components GmbH

Werner-von-Siemens-Str. 15
 82140 Olching
 Germany

Tel: +49 8142 2864 – 0
 Fax: +49 8142 2864 – 11
www.lasercomponents.com

Pressekontakt

Claudia Michalke
 Tel: +49 8142 2864 – 85
c.michalke@lasercomponents.com