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Press Release

Product Presentation at Photonics West: COUNT[®] NIR and COUNT[®] Q

Single Photon Counting Modules for Quantum Cryptography Applications

LASER COMPONENTS presents two new Single Photon Counting Modules at BiOS and Photonics West 2013: COUNT[®] NIR and COUNT[®] Q. Both are optimized for longer wavelengths.

COUNT[®] NIR. The COUNT[®] NIR features an APD with enhanced detection efficiency around 810 nm. This wavelength plays an important role in quantum cryptography applications. The outstanding performance of the various photon counting modules produced to date is based on a proprietary APD design that was developed by the LASER COMPONENTS Detector Group out of Arizona. This is what gives LASER COMPONENTS the opportunity to take the technology to where their customers need it to be.

COUNT[®] Q. An absolute highlight is the COUNT[®] Q. Many of the customers work at wavelengths that silicon does not cover any more. The COUNT[®] Q features an integrated InGaAs APD and covers the spectral range from 900 nm to 1600 nm. For best performance, the APD is thermoelectrically cooled. Just like the silicon APD-based COUNT[®] modules the focus during the development of the COUNT[®] Q has been on high detection efficiency and low dark current.

Further product details will be available soon.

More Information

www.lasercomponents.com/lc/photon-counter/

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.

Trade Shows

BiOS 2013, Feb, 2-3, 2013, Moscone Center, San Francisco, USA, **Booth 8517**

Photonics West 2013, Feb, 5-7, 2013, Moscone Center, San Francisco, USA, **Booth 517**

Defense, Security + Sensing, 29.04. - 03.05.2013, Baltimore Convention Center, USA, **Booth 1237**

LASER. World of Photonics, 13.-16.05.2013, Neue Messe München, Germany, **Booth B1.442**

1 Germany & Other Countries
Laser Components GmbH
Tel: +49 8142 2864 - 0
Fax: +49 8142 2864 - 11
info@lasercomponents.com
www.lasercomponents.com

USA
Laser Components USA, Inc.
Tel: +1 603 821 - 7040
Fax: +1 603 821 - 7041
info@laser-components.com
www.laser-components.com

United Kingdom
Laser Components (UK) Ltd.
Tel: +44 1245 491 499
Fax: +44 1245 491 801
info@lasercomponents.co.uk
www.lasercomponents.co.uk

France
Laser Components S.A.S.
Tel: +33 1 39 59 52 25
Fax: +33 1 39 59 53 50
info@lasercomponents.fr
www.lasercomponents.fr