

22<sup>nd</sup> July

2014

## Press Release

### A-CUBE: Detecting the Smallest Amount of Light into Child's Play

#### Plug&Play APD Modules up to 25 MHz



Optical power in the fW range can be easily detected using avalanche photodiodes. For easy plug&play application, LASER COMPONENTS introduces the A-CUBE APD modules that can be integrated into optical benches with a single click.

The heart of the A-CUBE is a low-noise Si or InGaAs avalanche photodiode with a preamplifier and an integrated high-voltage power supply. Temperature compensation is also integrated and allows operation across a wide temperature range at a constant amplification level.

InGaAs detectors allow measurements in the spectral range between 1000 nm and 1650 nm; the silicon APDs allow measurements between 400 nm and 1100 nm. Both versions are available in different bandwidths: from DC to 25 MHz. The A-CUBEs are available on an optional basis with an FC connection.

The shielded housing has an edge length of just 40 mm. It only requires an additional 12 V power supply to operate the APD.

#### More Information

<http://www.lasercomponents.com/de-en/product/apd-modules/>

#### Trade Shows

**Photon 2014**, Sept. 01-04, 2014, Imperial College London, UK, **Booth 19**

**Strategies in Biophotonics**, Sept. 09-11, 2014, Boston Park Plaza Hotel, Boston, USA, **Booth 500**

**enova**, Sept. 16-18, 2014, Paris expo Porte des Versailles, **Booth C11**

**Photonex 2014**, Oct. 15-16, 2014, Ricoh Arena, Coventry, UK, **Booth D20**

**Vision 2014**, Nov. 04-06, 2014, Messe Stuttgart, Germany, **Booth 1F14**

**electronica 2014**, Nov. 11-14 2014, Messe München, Germany, **Booth B1-306**

#### The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in four different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the USA. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 170 employees worldwide.