

### Higher Detectivity and Speed for Gas Analysis

## PbSe Detectors Featuring Four Channels

LASER COMPONENTS now also manufactures lead selenide (PbSe) detectors with four channels. The quad version is an attractive alternative for gas measurement applications when a higher  $D^*$  value or higher speed is desired.

Four selected PbSe chips are arranged in quadrants and equipped with their own filter to detect different wavelengths. The readout of all channels is carried out simultaneously.

With these new detectors, you can measure and analyze gas mixtures simultaneously. In addition, you save space and cost: instead of four single detectors or a filter wheel, you can simply use a TO-8 or TO-39 housing. For an improved signal in the long-wave range, cooled versions are also available.

### More Information

[www.lasercomponents.com/de-en/product/pbse-1-5-um/](http://www.lasercomponents.com/de-en/product/pbse-1-5-um/)

### Trade Shows

**SPIE Security + Defence 2016**, September 27-28, 2016 Edinburgh, UK, **Booth 405**

**Photonex Coventry 2016**, October 1-13, 2016, Ricoh Arena UK, **Booth D15**

**VISION 2016**, November 08-10, 2016, Messe Stuttgart, **Booth 1C33**

**Electronica 2016**, November 08-11, 2016, Messe München, **Booth B1.306**

**SHOT Show**, January 16, 2017, Las Vegas, NV, USA

**SPIE Photonics West**, January 13 - February 02, 2017, San Francisco, CA, USA, **Booth 2023**

**Automate**, April 3-6, 2017, Chicago, IL, USA, **Booth 2661**

**SPIE Defense + Commercial Sensing**, April 11-13, 2017, Anaheim, CA, USA

### The Company

LASER COMPONENTS USA – part of the LASER COMPONENTS GROUP – specializes in sales, distribution and marketing of components in the laser and optoelectronics industry. We have been serving customers over 15 years in North America with products from our manufacturing sites in Germany, Canada and the US, as well as from well-selected international suppliers. We serve a wide variety of photonics applications with avalanche photodiodes and modules (Si and InGaAs), IR detectors (InGaAs, PbS, PbSe, pyroelectric), photon counting modules, laser diodes and modules (at different wavelengths and power), pulsed laser diodes (905 and 1550 nm), laser diode drivers, laser optics (standard or custom dielectric coated) and polarizers.