

### SMD Components with 8 and 16 Elements

## Linear APD Arrays for LiDAR Measuring

The LASER COMPONENTS Detector Group expands its range of linear Si APD arrays in LCC44 housings. In addition to its standard 12 element arrays, the company now also offers arrays with 8 and 16 elements. The SMD components can be mounted on circuit boards, while also providing enough space for the integrated multi-channel amplifier circuit. Their operation only requires the voltage for the array and 5 V for the electronics.

The arrays comprise of a monolithic series of fast, low-noise avalanche photodiodes with gaps of merely 40 µm between the elements. They feature a very low temperature coefficient and their sensitivity is optimized for the NIR range between 800 nm and 905 nm.

In addition to the standard range, LASER COMPONENTS also manufactures custom made linear arrays. The customer determines the number and size of the individual elements that can be arranged along one or two axes.

### More Information

[www.lasercomponents.com/lc/product/silicon-apd-arrays/](http://www.lasercomponents.com/lc/product/silicon-apd-arrays/)

### Trade Shows

**SPIE PHOTONICS Europe**, April, 24 - 25, 2018, Strasbourg, France, **Booth G325**  
**Scandinavian Electronics Event**, April, 24 - 26, 2018, Kistamässan, Sweden, **Booth C08:49**  
**LaSys**, June 05 - 07, 2018, Messe Stuttgart, Germany, **Booth 4C33**  
**ANGACOM**, June 12 - 14, 2018, Messe Köln, Germany, **Booth 7.B09**  
**Photonex Edinburgh**, June 14, 2018, South Hall Complex, University of Edinburgh, UK, **Booth S5**  
**automatica**, June 19 - 22, 2018, Messe München, Germany, **Booth B5.501**  
**Sensor+Test**, June 26 - 28, 2018, Messe Nürnberg, Germany, **Booth 1.256**  
**Sensors Expo & Conference**, June 27 - 28, 2018, San Jose, CA, USA, **Booth 225**  
**SPIE Optics+Photonics**, August 19 - 23, 2018, San Diego, CA, USA, **Booth 527**  
**Photon 2018**, September 04 - 05, 2018, Aston University, **Booth 5**  
**Photonex Europe**, October, 10 - 11, 2018, Ricoh Arena, Coventry, UK, **Booth D15**  
**Vision**, November 06 - 08, 2018, Messe Stuttgart, Germany, **Booth 1G31**  
**electronica**, November 13 - 16, 2018, Messe München, Germany

### 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 five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 220 employees worldwide.