

### Extremely short pulses for precise measurement

## High Power PLD QuickSwitch

At Photonics West, LASER COMPONENTS presents QuickSwitch – a hybrid 905 nm high-power PLD generating the world's shortest pulse width of 2.5 ns typical at a pulse frequency of up to 200 kHz. It can be equipped with various storage capacitors, depending on which, it achieves an optical peak power up to 89 Watts. The pulse width of the optical output does not depend on the width of the trigger input pulse. Thus, the device is extremely easy to use.

PLD, high current switch and charge storage capacitor are enclosed in a compact TO56 housing. The high current loop is fully integrated into the housing, which is also equipped with an additional ground pin independent from both the signal and supply returns. This results in a Faraday cage effectively protecting the QuickSwitch and its surroundings from electromagnetic interference.

Laser sources with short pulses and a high pulse frequencies allow for higher resolutions in laser-based distance measurement (LiDAR) and scanners for security and aerospace appliances. With its QuickSwitch PLD, LASER COMPONENTS provides these industries with a compact and cost efficient solution.

### More Information

[www.lasercomponents.com/de-en/product/quickswitch-pulsed-laser-diodes/](http://www.lasercomponents.com/de-en/product/quickswitch-pulsed-laser-diodes/)

### Trade Shows

**SPIE Photonics West**, January 30 - February 01, 2018, San Francisco, CA, USA, **Booth 1931**  
**MD&M West**, February 06 - 08, 2018, Anaheim, CA, USA, **Booth 3593**  
**Breko Glasfasermesse**, March 13 - 14, 2018, Messe Frankfurt, Germany  
**EuroExpo**, March 21 - 22, 2018, Trondheim, Norway, **Hall E**  
**analytica**, April 10 - 13, 2018, Messe München, Germany, **Booth A2.500**  
**The Vision Show**, April 10 - 12, 2018, Boston, MA, USA, **Booth 410**  
**SPIE Defense & Commercial Sensing**, April 17 - 19, 2018, Orlando, FL, USA, **Booth 1029**  
**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  
**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**  
**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.