

### Diodes with Built-In Shut-Off Circuitry for Eye-Safe Applications

## Automatic Power Control for Higher Safety in Laser Diodes

The new "A4" series of compact APC laser diodes offers additional protective functionality for applications in which an eye-safe source of radiation is required. The "automatic power control" (APC) will shut down the laser once a specific operating current is exceeded.

The A4 laser diodes are insensitive to electrostatic discharges of up to 10 kV and a stable output power is guaranteed for supply voltages of 2.5 to 6 VDC. As was the case for the device's predecessor, the APC is located at an ASIC on the same chip as the photodiode and the emitting laser diode, and is integrated in compact TO housings (3.3 mm or 5.6 mm). At LASER COMPONENTS, diodes from this series are available at wavelengths between 635 nm and 850 nm. They lend themselves well to applications in high-precision measurement.

### More Information

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

### Trade Shows

**Photonex Coventry**, October 11 - 12, 2017, Ricoh Arena, Coventry, Great Britain, **Booth D15**

**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

**analytica**, April 10 - 13, 2018, Messe München, Germany, **Booth A2.500**

**The Vision Show**, April 10 - 12, 2018, Boston, MA, USA

**SPIE Defense & Commercial Sensing**, April 17 - 19, 2018, Orlando, FL, USA, **Booth 1029**

**SPIE PHOTONICS Europe**, 24. - 25. April, 2018, Strasbourg, France

**LaSys**, June 05 - 07, 2018, Messe Stuttgart, Germany

**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

**Sensors Expo & Conference**, June 27 - 28, 2018, San Jose, CA, USA, **Booth 225**

**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.