

In Case of Danger, the Laser Diode Shuts Off

Automatic Power Control for Higher Safety in Laser Diodes

The new A4 series of compact APC laser diodes offers additional protection for whenever an eye-safe radiation beam is required: As soon as the operating current exceeds a certain level, the automatic power control (APC) shuts down the laser diode.

The A4 laser diodes are insensitive to electrostatic discharges of up to 10 kV and guarantee a stable output power at supply voltages of 2.5 to 6.0 VDC. As in its predecessor, the control is located at an ASIC on the same chip as the photodiode and the emitting laser diode, and it is integrated in compact TO housings (3.3 mm or 5.6 mm). These laser diodes are available in different wavelengths between 635 nm and 850 nm.

The A4 APC laser diodes are available at LASER COMPONENTS. They are used, for example, in high-precision measuring devices.

More Information

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.