

250 mW Single-Mode Laser Diodes

High-Power NIR Laser Diodes for Gesture Control

The new ADL-83Y51TL is a high-performance, low-cost solution for any application that requires powerful NIR laser diodes with a longitudinal single-mode beam profile, such as camera-supported gesture control.

The ADL-83Y51TL emits in the NIR range at 830 nm and has a cw power of 250 mW. In pulse operation, it can be overdriven to up to 500 mW. Its small, compact TO-56 housing is hermetically sealed, and it allows for an operational temperature of up to 60°C. The component comes with an integrated monitor photodiode for power control and stabilization.

High-power IR sources are also required for medical engineering, printing, and security (IR lighting).

More Information

www.lasercomponents.com/de-en/product/cw-laser-diodes-nir/

Trade Shows

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

PIE Photonics West, January 30 - February 01, 2018, San Francisco, USA, **Booth 1931**

Breko Glasfasermesse, March 13 - 14, 2018, Messe Frankfurt, Germany

analytica, April 10 - 13, 2018, Messe München, Germany

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

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

SPIE PHOTONICS Europe, 24. - 25. April, 2018, Strasbourg, Frankreich

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

ANGACOM, June 12 - 14, 2018, Messe Köln, Germany

automatica, June 19 - 22, 2018, Messe München, Germany

Sensor+Test, June 26 - 28, 2018, Messe Nürnberg, Germany

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

Vision, November 06 - 08, 2018, Messe Stuttgart, Germany

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 200 employees worldwide.