

### 250 mW Single Mode Laser Diodes

## High Power NIR Laser Diodes for Gesture Control

The new ADL-83Y51TL offers a high performance and low cost solution for any application requiring high power NIR radiation with a longitudinal single mode beam profile. Key application areas would be those using camera-supported gesture controls as well medical engineering, printing and security (IR lighting).

In CW (continuous wave) mode, the ADL-83Y51TL will emit 250 mW of output power at 830 nm. Operating in pulsed operation, these devices can be readily overdriven to produce up to 500 mW. The compact TO-56 housing is hermetically sealed and permits operational temperatures of up to 60°C. Furthermore, the ADL-83Y51TL is provided with an integrated monitor photodiode for feed-back power control and stabilisation.

### More Information

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