



New Product Line

Superluminescence Diodes from Arima

The design of a superluminescence diode is equivalent to a laser diode without a resonatorIts radiation is based on an amplified spontaneous emission and offers the brightness of laser diodes combined with the low coherence length of LEDs. This equals a larger optical bandwidth of the emitted radiation.

Similar to edge-emitting laser diodes, SLEDs have a p-n junction and are operated under forward bias. Unlike edge emitters, SLEDs do not have a resonator; thus, a standing wave cannot form. This leads to the aforementioned spontaneous amplified emission.

Arima Lasers now also manufactures SLEDs at 670 nm and 830 nm with an output power of up to 10 mW. These diodes, which are assembled in the proven 5.6 mm TO housing, are available at LASER COMPONENTS. The products are successfully used in optical coherence tomography, fiber sensor technology, optical measurement technology, and as illumination sources for imaging methods in medical technology.

More Information

http://www.lasercomponents.com/de-en/product/super-luminescence-diodes/

Trade Shows Anga Com 2015, Jun, 09 - 11, 2015, Messe Köln, Germany, Stand 10.2/J35 Sensors Expo & Conference 2015, Jun 9-11, 2015, Long Beach Convention Center, CA, Booth 924 LASER. World of Photonics 2015, Jun, 22 - 25, 2015, Messe München, Germany, Booth B3.303 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 170 employees worldwide. USA

Germany & Other Countries Laser Components GmbH Tel: +49 8142 2864 - 0 Fax: +49 8142 2864 - 11 info@lasercomponents.com www.lasercomponents.com

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France Laser Components S.A.S. Tel: +33 1 39 59 52 25 Fax: +33 1 39 59 53 50 info@lasercomponents.fr www.lasercomponents.fr

United Kingdom Laser Components (UK) Ltd. Tel: +44 1245 491 499 Fax: +44 1245 491 801 info@lasercomponents.co.uk www.lasercomponents.co.uk Nordic Countries Laser Components Nordic AB Tel: +46 31 703 71 73 Fax: +46 31 703 71 01 info@lasercomponents.se www.lasercomponents.se

Laser Components USA, Inc. Tel: +1 603 821 - 7040 Fax: +1 603 821 - 7041 info@laser-components.com www.laser-components.com