

Press Release

LASER COMPONENTS Expands its Semiconductor Production Facility

InGaAs Photodiodes from LASER COMPONENTS

Since 2004 LASER COMPONENTS Detector Group manufactures Si and InGaAs avalanche photodiodes in Tempe/Arizona. Recently the R&D division brought three series of InGaAs and extended InGaAs PIN photodiodes into production:

The IG17 series consists of InGaAs detectors with a response up to 1700 nm, the IG22 series consists of extended InGaAs detectors with a response up to 2200 nm, and the IG26 series consists of extended InGaAs detectors with a response up to 2600 nm.

All versions are panchromatic on a standard basis, which means that they function in the visible spectral range. Additional advantages include a high linearity, an excellent sensitivity, and a low temperature coefficient of the sensitivity. Seven different housings are available including SMD, chip on sub-mount, and thermoelectrically-cooled housings. Uncooled versions in a standard TO housing are generally available from stock – at competitive prices.

The version with an active diameter of 1.3 mm is particularly noteworthy – it yields 70% more signal than a detector with a diameter of 1 mm – while retaining the TO-46 housing with a 4.8 mm cap diameter.

LASER COMPONENTS is strong in customer-specific solutions. These primarily include components with special coatings on the windows, which are manufactured in Germany using IBS technology and then metallized, cut, and soldered to the caps in Arizona.

The main applications of IR detectors include laser monitoring, spectroscopy, FTNIR, and contact-free temperature measurements.

More Information

<http://www.lasercomponents.com/de-en/product/ingaa-500-2600-nm/>

Trade Shows

Optatec 2014, May, 20. - 22., 2014, Messe Frankfurt, Germany, **Booth E01**
ANGA COM, May, 20. - 22., 2014, Koelnmesse, Germany, **Booth 10.1/T35**
Sensor + Test 2014, Jun., 03. - 05.2014, Messe Nürnberg, Germany, **Booth 12.117**
maintain 2014, Jun., 03.-06.2014, Messe München, Germany, **Booth B6.131**

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 four different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the USA. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 160 employees worldwide.