

Best Solarization Stability

Transmission of UV Light with Optical Fibers

The use of fiber optics in the transmission of light in the UV spectrum is gaining importance. Fields of application include, for example, the spectroscopic examination of ions and atoms. The transmission of UV light causes problems as a direct result of solarization effects: At wavelengths shorter than 260 nm, UV light causes degradation in conventional fibers. Only specialty fibers can be used.

Polymicro has developed a wide range of UV-suitable fibers that can be used for very short-wave applications. These fibers are extremely solarization resistant. The newly improved FDP fiber line exhibits the best solarization stability on the market.

The stabilization of the fiber material's 214 nm and 265 nm absorption bands creates new opportunities, for example, in biomedical diagnostics, minimally-invasive surgery, or medical sensor technology in humans. Multi-mode fibers have a core diameter between 50 µm and 1000 µm and are available at different UV grades. It is also possible to develop fibers for the single-mode UV range. LASER COMPONENTS distributes Polymicros fibers in the DACH region.

More Information

<http://www.lasercomponents.com/de-en/product/deep-uv-fibers/>

Trade Shows

Automate Trade Show 2015, Mar, 23-26, 2015, McCormick Place, Chicago, IL, **Booth 1199B**
OFC 2015, Mar, 24-26, 2015, Los Angeles Convention Center, Los Angeles, **Booth 2424**
DSS 2015, Apr 21-23, 2015, Baltimore Convention Center, Baltimore, MD, **Booth 1125**
Sensor+Test 2015, May, 19 - 21, 2015, Messe Nürnberg, Germany, **Booth 12.117**
Anga Com 2015, Jun, 09 - 11, 2015, Messe Köln, Germany, **Booth 10.2J35**
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.