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Press Release

Large-core Fibers with Step-index Profile

Optical Fibers for Power Transmission and Medical Technology

Analytics, medicine, aerospace, military, industry, telecommunications, or industrial communications – for each area of application there is an ideal large-core fiber with a step-index profile from Polymicro.

In laser technology optical power has to be transmitted with as little loss as possible. High-OH fibers are used for UV wavelengths; otherwise, low-OH fibers with a quartz/quartz profile (NA = 0.22, diameter = 200 µm to 1000 µm) can be used. The high damage threshold is important: 1 GW/cm².

LASER COMPONENTS offers fiber assemblies from our in-house production that are equipped with high-power connectors and are ready to be used. In order to reach the highest coupling efficiency possible, we coat the fiber end facets. An AR coating improves the efficiency by 6-8%.

Biocompatibility and sterilization are keywords in medical technology. Polymicro's fibers fulfill both criteria – test reports are available!

More Information

<http://www.lasercomponents.com/de-en/product/step-index-fibers/>

Trade Shows

Security + Defence, Sept., 24 - 25, 2013, Internat. Congress Center Dresden, Germany

The Company

LASER COMPONENTS is specialized in the development, manufacture, and sale of components and services for the laser and opto-electronics industries. With sales offices in four different countries, the company has served its customers since 1982. In-house production at six locations in Germany, Canada, and the USA began in 1986 and is meanwhile responsible for about half of its turnover. Currently, the family-run business employs more than 140 people worldwide.

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