

For immediate release
No. 0705

DILAS Unveils New High Efficiency, 30W CW, 976 nm Fiber Coupled Diode Laser Bar

Mainz, Germany, January 23, 2007 – DILAS, a world leader in high power semiconductor lasers introduced the newest commercially available 976 nm, fiber coupled, conduction cooled diode laser bar that delivers the highest efficiency in the industry today. This fiber coupled bar can deliver up to 30W of CW high power out of a 200 micron output fiber with a numerical aperture of <0.22, making it the most reliable and high performance diode laser bar available today.

DILAS' high coupling efficiency fiber coupled, conduction cooled diode laser bar is ideal for integration into high volume OEM applications. The fiber couple laser is based on a conduction cooled bar and boasts a wall-plug efficiency (WPE) >35%. Typical drive current for the fiber coupled diode laser module is 55A. The laser power from the module is delivered via a single core fiber of 200 µm diameter, NA0.22, terminated with a standard SMA 905 connector.

Optional features such as pilot beam, power monitor, fiber detection sensor, user-exchangeable protection window, and temperature sensor can be integrated in a height of <30 mm. The fiber coupled laser bar is ideal for integration into Yb:YAG solid-state laser pumping applications, as well as direct-diode thermal applications in the industrial market.

About DILAS

Founded in 1994, DILAS is the world leader in high power semiconductor lasers components, modules and systems, including fiber coupled products. With manufacturing facilities in Mainz, Germany and in Tucson, AZ, DILAS is dedicated to deliver the most innovative technology and advanced products to the industrial, defense, graphic arts, and medical markets. For more information about DILAS, including product updates, visit our website at www.DILAS-Inc.com.

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