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## **DILAS Unveils New Wavelength, 30W CW, 880 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 880 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 400 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 efficiency fiber coupled laser bar is ideal for integration into high volume specialized applications. The fiber couple laser is based on conduction cooled diode laser bar and boasts a wall-plug efficiency (WPE) >35%. Typical drive current for the fiber coupled diode laser module bar is <45 Amps. The spectral width is typically less than 3 nm, FWHM. The laser power from the module is delivered via a single core fiber of 400 µm diameter, NA 0.22, which is 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 pumping neodymium-doped yttrium aluminum garnet, Nd:YAG, solid-state laser applications in the industrial and medical markets due to their compact and rugged design.

### **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](http://www.DILAS-Inc.com).

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