

PRESS RELEASE

For Immediate Release

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DILAS Announces High-Power, Diode Laser Bars on Micro-Channel Coolers for DPAL Pump Wavelengths

Mainz, Germany, January 24, 2012 – DILAS, the diode laser company, and a leader in high-power diode laser bars continues its expansion of wavelengths by extending its offerings to water cooled laser diodes for [alkali laser pumping at 766nm, 780nm and 852nm on micro-channel heat sinks at CW power levels of 40W, 60W, and 100W](#), respectively.

The laser bar geometry is based on the popular industry standard of 1cm bar width, with 19 emitters on a 500µm pitch with fill factor options of 20% and 30%. Typical power conversion efficiency is in the range of 56% at rated power for all three wavelengths, as measured at 20C.

Ideal for research and development, defense and other diode-pumped alkali laser applications, these diodes are assembled in water-cooled stacks to power scale up to kW levels, according to customer requirements.

Diode laser stack arrays can also be offered with volume Bragg gratings (with standard or low reflectivity coatings) and with both optical axes collimated.

About DILAS

DILAS, the diode laser company, is focused on delivering the most innovative technologies and advanced product solutions in the industry. Founded in 1994 in Mainz, Germany, with operations in North America and Asia, DILAS designs, develops and manufactures quality high-power, high-brightness semiconductor laser components, modules and systems, including fiber-coupled products for worldwide distribution.

For more information about DILAS, including product updates, visit the company's website at www.DILAS.com.

PRESS CONTACTS

Sandra Garcia – DILAS Global Marketing

Phone: +1 (520) 282-5984

Email: s.garcia@dilas-inc.com

Nadine Yüksel – DILAS Europe Marketing

Phone: +49 (0) 6131-9226-185

Email: n.yueksel@dilas.de

Nicole Xu – DILAS China & Taiwan Marketing

Phone: +86 (0) 21-6855-2216

Fax: +86 (0) 21-5027-3793

Email: nicole.xu@dilas-china.com.cn