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DILAS Announces New QCW Diode Laser Stack Array

Mainz, Germany, June 18, 2007 – DILAS, a world leader in high power semiconductor lasers, announces its highest power conduction cooled, quasi-continuous wave (QCW) stack array to date. Available in configurations of 100W per bar or 150W per bar, specific combinations of wavelength and power can be customized upon request. These compact diode laser stack arrays are targeted for high temperature applications such as commercial solid-state laser pumping, defense and OEM.

DILAS' diode laser stack arrays feature standard wavelengths at 808nm, 940nm and 980nm. Due to this unique mounting and cooling technology these bars can be stacked vertically, making them an ideal building block for applications requiring kilowatts of QCW power in a very small area. These high fill-factor bars measure 1 cm long and feature a vertical pitch in the stack as small as 0.4mm. Typical operating current and voltage for these diode laser stack arrays is 100 amperes at less than 2 volts. Beam divergence is less than 40° by 10° FWHM and maximum 2% duty cycle.

In addition, these DILAS diode laser stack arrays feature AuSn solder technology that provides its users extended lifetime and reliability in high temperature applications and enhances the performance in burst-mode.

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, with operations in Mainz, Germany and Tucson, AZ, 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 our website at www.DILAS.com.

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