ILX Lightwave
Laser Diode Instrumentation & Test Systems

News Release

ILX Lightwave Corporation

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TEMPERATURE CONTROLLED CS BAR PACKAGE LASER DIODE FIXTURE DISSIPATES 100W

BOZEMAN, Montana, April, 2007 - ILX Lightwave Corporation announces the release of the LDM-4415 CS Bar package mounting fixture developed for conductively cooled laser diode bars. Heat sink technology developed at ILX Lightwave allows the 4415 to dissipate up to 100W of heat generated by the laser diode in a compact optical table mount fixture. The fixture offers active temperature control with integrated thermoelectric modules and water cooling for a wide temperature control range at heat loads up to 100W. Fixture design and precision machining result in repeatable thermal resistance between the CS packaged device and mounting block, minimizing the temperature difference between the laser and the fixture.

The LDM-4415 is compatible with ILX Lightwave high power current sources and temperature controllers through interconnect cabling allowing up to 125A of laser diode current for the highest power conductively cooled laser diode bars. Optical table mounting is made possible through standard 1" spaced mounting holes on the base of the mount. Additionally, the 4415 is designed for Integration into optical test systems with unobstructed laser facet access at the front of the fixture.

The LDM-4415 has been optimized for R&D test applications with high heat dissipation, ease of device insertion, a wide temperature control range and easy integration with ILX current sources and temperature controllers and other measurement instruments.

About ILX Lightwave Corporation:

ILX Lightwave is a market and technology leader in laser diode instrumentation and test systems for research, development, and manufacturing. ILX Lightwave customers include Fortune 500 corporations, national research laboratories, government, and educational institutions. ILX Lightwave is headquartered in Bozeman, MT. As an industry leader for 20 years, ILX products offer customers the highest levels of performance and reliability. ILX Lightwave products are backed by over 60 application and technical notes and an extensive on-line knowledge base. For more information about ILX Lightwave, visit its website at www.ilxlightwave.com.

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