

**TEMPERATURE CONTROLLED LASER DIODE MOUNT FOR HIGH POWER FIBER  
COUPLED LASER DIODES**

Bozeman, Montana, February, 2009 – ILX Lightwave Corporation announces the release of the LDM-49800 series of laser diode mounting fixtures for high power fiber coupled laser diodes. The LDM-49800 series consists of two family members that accommodate 2-pin modules and 6-pin, 8-pin, and 14-pin butterfly laser modules. A case temperature control option is available for temperature controlling un-cooled laser diodes over a temperature control range of 15°C to 85°C. The integrated water-cooled heat sink allows the 49800 series to dissipate up to 60W of waste heat. Fixture design and precision machining result in low thermal resistance between the laser diode and the 49800 mounting block minimizing the temperature difference between the laser and fixture.

The LDM-49840 has a unique clamp and spring loaded circuit board to accommodate butterfly modules with different pin heights thus preventing pin damage due to over-bending. Terminal blocks accessible from the bottom side allow configuration of the 49840 for any module pin-out. The LDM-49860 provides convenient mounting for high power 2-pin fiber coupled modules from JDS Uniphase, Bookham, Lumics, and EM4. Optical table mounting is possible through ANSI or metric spaced mounting holes on the base of the 49800 series.

The LDM-49800 series has been optimized for test applications and offers ease of device insertion, high heat dissipation, and a wide temperature control range. The mounts are compatible with most ILX Lightwave modular and bench-top current sources and temperature controllers through interconnect cabling for quick set-up in R&D or manufacturing environments.

## **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 over 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](http://www.ilxlightwave.com).

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