



NEWS - For Immediate Release

**BLUE SKY RESEARCH INTRODUCES CHROMALASE II™
488nm 50mW DIODE LASER MODULE**

The CHROMALASE II™ 488 is a compact, 50mW, free-space laser diode system which provides greater value than DPSS, direct doubled or optically pumped semiconductor lasers

MILPITAS, Calif. – December , 2009

Blue Sky Research, a volume manufacturer of laser diode systems and OEM components, today announced the company is accepting orders for its new ChromaLase II 488, a 50mW, 488nm diode laser system. The ChromaLase II 488 system features excellent beam quality, direct modulation capability, low heat dissipation, long term-semiconductor reliability, and adjustable power level control, all in a compact, stand alone assembly.

Chris Gladding, CEO of Blue Sky Research stated, "We designed our ChromaLase II 488 to meet the needs of Life Science instrumentation which use laser light to excite fluorescence markers. System designers currently use Argon Ion gas lasers, DPSS, direct doubled or optically pumped semiconductor lasers solutions. Our compact direct diode 488nm solution offers tremendous integration and cost advantages. We're receiving a lot of interest from flow cytometry, DNA sequencing, medical diagnostics and confocal microscopy OEMs because of our small footprint, low noise, direct modulation capability and competitive cost structure."

Each ChromaLase II 488 system incorporates a semiconductor laser diode and micro-integrated optics that corrects the beam shape of a semiconductor laser to a near perfect gaussian profile. All the electronics needed to operate this laser from a simple 12volt DC supply are integrated within the highly compact laser module footprint which makes this laser system ideal for OEM integration. The laser is temperature stabilized with a thermoelectric cooler (TEC) and the integrated controller features a laser driver, output power stabilization, power level control, reverse and over voltage protection, fast transient and ESD suppression. Blue Sky Research will also modify the output optics to match the beam to optimize your system performance.



About Blue Sky Research

Blue Sky Research is a vertically integrated volume manufacturer of fiber-coupled and free space, red, blue, violet, and IR laser systems, semiconductor laser devices, and OEM laser components. The company crafts state of the art laser products using its' in-house expertise in micro-optics, laser diode manufacturing and optical/electrical engineering disciplines. Custom and application-specific solutions for high reliability and coupling of lasers to single mode fibers are enabled via patented microlens technology, and telecommunications grade packaging technology. Founded in 1989, Blue Sky Research is headquartered in Silicon Valley, California.

Product and Press Inquiries:

Blue Sky Research
408-941-6068