



NEWS - For Immediate Release

BLUE SKY RESEARCH INTRODUCES CHROMALASE™II 640nm 100mW DIODE LASER MODULE

CHROMALASE™II 640 is a compact, 100mW, free-space laser diode system ideally suited for fluorescence applications.

MILPITAS, Calif. – December , 2009

Blue Sky Research, a volume manufacturer of laser diode systems and OEM components, today announced the company is accepting production volume orders for its new ChromaLase II™ 640, a 100mW, 640nm diode laser system. The ChromaLase II 640 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.

The ChromaLase II 640 is designed to meet the needs of drug discovery and Bio-instrumentation which use fluorescence markers optimized for HeNe lasers; applications include flow cytometry and confocal microscopy. Chris Gladding, CEO of Blue Sky Research stated, "our ChromaLase II 640 has a very compelling value proposition. The OEM gets the better performance of a very compact 640nm semiconductor based system, with 100mW of Blue Sky beam corrected power enabling higher fluorescence signal levels, faster scan rates, laser diode reliability and the ability to utilize cost optimized HeNe cut off and blocking filters."

Each ChromaLase II system incorporates a semiconductor laser diode and micro-integrated optics that correct the beam shape of a semiconductor laser to a near perfect gaussian profile. All the electronics needed to operate/control 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.

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