



NEWS - For Immediate Release

BLUE SKY RESEARCH INTRODUCES FIBERTEC II 488, A 30mW, 488nm FIBER COUPLED LASER MODULE



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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 FiberTec II™ 488 Laser modules. The FiberTec II 488 system is the industries smallest stand alone, fiber output laser assembly with permanently attached fiber, either single mode or polarization maintaining. It offers at least 30mW of continuous laser power at 488nm with integrated control-modulation electronics, temperature control, low power dissipation , and long term-semiconductor reliability. It has by far the smallest foot print and volume of any laser diode system available in the marketplace today.

The FiberTec II 488 is designed to meet the needs of global drug discovery and Bio-instrumentation OEMs which use fluorescence markers optimized for Argon ion lasers; applications include flow cytometry and confocal microscopy. Chris Gladding, CEO of Blue Sky Research stated, "We have worked hard to optimize this products performance, design and cost. Holding the wavelength at or below 488nm enables our customers to use their optimized Argon ion cut off and blocking filters without a significant power loss penalty. Chris also stated "The FiberTec II 488 is the smallest and most cost effective laser module of its kind. We use our proprietary and highly reliable single mode and PM fiber coupling technology. This is really a company core competency and we manufacture tens of thousands of lasers every year."

Each FiberTec II system incorporates a semiconductor laser diode and all the electronics needed to operate/control this laser from a simple DC supply. The highly compact laser module footprint is electrically efficient and requires no special heat sinking; 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 output options include; single mode fiber (smf), polarization maintaining fiber (pmf) and collimation optics.

About Blue Sky Research

Blue Sky Research is a vertically integrated volume manufacturer of fiber-coupled and free space, visible 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 technology, and telecommunications grade packaging capability. Founded in 1989, Blue Sky Research is headquartered in Silicon Valley, California.

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