

*NEWS - For Immediate Release*

## **BLUE SKY RESEARCH IMPROVES 405NM SINGLE MODE FIBER PERFORMANCE**

MILPITAS, Calif. – December, 2010

Blue Sky Research, a volume manufacturer of laser diode systems and OEM components, today announced the company is accepting orders for its' FiberTec II 405nm, 25mW diode laser system. The 405nm laser system now features a proprietary Violet fiber technology which improves laser fiber-coupling performance and extends the lifetimes beyond normal industry capabilities.

Chris Gladding, CEO of Blue Sky Research stated, "System designers often encounter challenges when using Violet lasers; the Violet photons can compromise a systems performance, degrade component lifetimes and they're a challenge when coupling power into fibers. Our engineers have successfully improved Violet fiber technology and allowed us to upgrade our laser system's performance. We think we have the best mass produced 405 fiber coupled laser in the world. Stable power, low noise, best-in-class lifetime and a ultra compact package."

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 smf or collimation optics.

### **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