NEWS RELEASE

Lumentum Introduces Industry-First Uncooled Distributed Feedback 980 nm Pump Laser

2016-11-17

Lower Power and Smaller Size Pump Module Leverages New and Innovative Laser Chip Design

Milpitas, Calif., November 17, 2016 – Lumentum Holdings Inc. (“Lumentum”) introduced today the T13 Series of 980 nm pump laser modules which are based on an industry-first uncooled distributed feedback (DFB) 980 nm pump laser chip. The T13 family of products combine a high-power DFB diode laser with additional components into an ultra-small form factor, coaxial package. Sample quantities are available now, with volume production in December 2016.

“The T13 Series leverages the same TO-package demonstrated in numerous high-volume consumer applications and establishes the DFB’s future role in compact, reliable 980 nm pump lasers for optical amplification applications,” remarked Jay Skidmore, vice president, research and development, High Power Lasers. “The DFB laser eliminates the external grating needed for conventional pump laser designs that opens a path towards much higher levels of integration. Additional benefits include fiber length reduction, a decrease in the device's footprint, plus lower power requirements.”

The Lumentum T13 Series, operating up to 200 mW, meets the telecommunications industry’s stringent requirements, including Telcordia GR-468-CORE for hermetic 980 nm pump modules. The pump modules target single-channel and narrow-band amplifier applications for high-bit-rate transmission modules and CFPx transceivers.

“Introduction of the T13 Series pump is another example of Lumentum developing superior high-power laser technologies across our broad product portfolio to deliver best-in-class solutions for our customers,” said Doug Alteen, vice president, product line management, Telecom. “The small pump laser package leverages the design and manufacturing of our high-volume 3D sensing lasers, which have proven to be highly reliable with tens of millions of devices deployed.”

Pump Lasers

Lumentum offers a full portfolio of pump lasers for optical amplification which is a key element of virtually all fiber optic communications networks. The 980 nm Series products support erbium-doped fiber amplifiers operating from 100 mW to 900 mW power levels. The 14xx nm and 15xx nm Series products, deployed in Raman amplification, offer operating powers up to 600 mW in wavelengths covering the C band and L band. The new uncooled T13 Series pumps are derived from a revolutionary 980 nm pump platform and significantly reduce power consumption and enable operation in extreme physical environments.

About Lumentum

Lumentum (NASDAQ: LITE) is a market-leading manufacturer of innovative optical and photonic products enabling optical networking and commercial laser customers worldwide. Lumentum’s optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum’s commercial lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in Milpitas, California with R&D, manufacturing, and sales offices worldwide. For more information, visit www.lumentum.com.

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