NEWS RELEASE

Lumentum Introduces Revolutionary High-Power Pump Lasers

2020-03-10

New Innovations Drive Higher Performance While Leveraging Lumentum's Field Proven High-Reliability Technology
SAN JOSE, Calif., March 10, 2020 /PRNewswire/ -- Lumentum Holdings Inc. ("Lumentum") today announced a breakthrough series of advanced 980 nanometer (nm) single-mode pump lasers, adding to its already broad family of pump lasers for optical amplification.

The new 980 nm pump lasers offer significantly higher power and higher efficiency, enabling high-density erbium-doped fiber amplifier (EDFA) designs. The pump lasers employ revolutionary chips that are based on Lumentum's field-proven, proprietary, high-reliability technology, but offer operating power levels from 250 mW to 1600 mW.

"Lumentum is supporting the industry's need for ultra-high reliability, high-power, and scalable pump lasers for pluggable EDFAs," said Doug Alteen, Senior Vice President, General Manager, Telecom Transport. "Our customers benefit from our commitment to innovate and develop our foundational chip technology."

About the Products

Representing the next leap in performance, while leveraging Lumentum's field-proven pump technology, the 5200 Series is specifically designed for demanding undersea optical applications that require ultra-high reliability when pumping EDFAs in submarine repeaters and branching units.

"The new 5200 Series addresses the critical need to maintain extreme high-reliability while providing higher power pumping," said Xia Hong, Senior Director, Product Line Management, Optical Communications. "Lumentum addresses these market needs with a design lifetime of over twenty-five years."

The new uncooled laser offers increased operating power up to 800 mW. Additionally, by employing new and innovative advancements in chip technology and high-reliability packaging, the 5200 Series improves customers' overall optical performance. The 5200 Series will be available in July 2020.

The H11 Series, an uncooled 3-pin low-profile planar pump laser with up to 250 mW output power, significantly reduces the overall pump laser size and power consumption. This laser series employs both an innovative distributed feedback (DFB) laser chip, which integrates a high-power laser and grating into a single high-reliability laser die, and an improved package design. The H11 Series provides a noise-free, narrowband spectrum under temperature, drive current, and optical feedback changes. The H11 Series will be available in May 2020.

The new D2 Series dual-chip 980 nm pump laser provides up to 1.6 W total optical output in a low-profile 14-pin butterfly package. The D2 Series also incorporates an innovative next-generation chip and semi-autonomous assembly technology, which significantly improves power and density. The D2 Series will be available in July 2020.

These products meet the rigorous telecommunications industry requirements, including Telcordia GR-468-CORE for hermetic 980 nm pump modules. For more information, please contact the Lumentum sales team at customer.service@lumentum.com.

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

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