

News from ExceLight Communications

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ExceLight Unveils High-Performance Uncooled Coaxial Lasers for CATV

Cost-Effective Solution for CATV Forward-Path Applications

Durham, NC—ExceLight Communications has announced availability of a new family of uncooled coaxial lasers for CATV applications. The new devices, intended to provide a more cost-effective solution for forward-path applications, offer output powers up to 5mW at 1310 nm—about 2~3 dB higher than previous generations of uncooled coaxial lasers. The lasers are designed and manufactured by Sumitomo Electric Industries, ExceLight's parent company and the global market leader in CATV return-path, DFB, and CWDM lasers.

The new products benefit from improved quantum efficiencies in the DFB laser diode and an improved optical coupling system, allowing users to obtain higher power over a wider operating temperature range—all without cooling. This optimized uncooled coaxial laser design provides a significant cost advantage over the commonly used butterfly packaged lasers.

“Lowering the costs of optical CATV distribution is important to both service providers and transmission equipment suppliers,” said Dr. Mike Nishiguchi, President of ExceLight. “Our new uncooled laser optimized for forward-path gives equipment designers an important alternative to higher cost butterfly devices.”

Two new families of lasers have been developed, the SLV4840/SLV4850 and the SLV4240 / SLV4250. These new coaxial lasers offer significantly improved linearity over conventional lasers to achieve much higher output levels at high temperatures. This enhanced linearity means that there is no rolloff of optical output power at elevated temperatures and improved distortion performance.

For return-path applications, ExceLight also offers the SLV4840/SLV4850 and SLV4240/SLV4250 coaxial lasers with the same performance benefits of improved linearity and an extended operating temperature range from -40°C to +95°C.

About ExceLight Communications

ExceLight Communications, Inc., a subsidiary of Sumitomo Electric Industries, is a leading provider of optical components and modules to the telecom, CATV, broadband, and data communications markets. ExceLight offers a comprehensive array of transceivers, transmitters, receivers, lasers, photodiodes, and passive components. Sumitomo's world-class research and manufacturing capabilities in optical technology continue to expand and strengthen the product portfolio while maintaining industry-leading levels of reliability. The well-established global presence of Sumitomo allows us to provide integrated support to customer facilities throughout the world. www.ExceLight.com

About Sumitomo Electric Industries, Ltd.

Sumitomo Electric Industries, Ltd. (SEI) designs, manufactures and sells optical fiber, cable and components, advanced electronic devices, and automotive parts. Through a successful strategy of research and diversification, SEI has become one of the world's leading companies at the forefront of the revolution in information and communications. The company has operations around the world in more than 25 countries and employs 107,000 people. SEI reported group net sales of \$16.7 billion for the year ended March 2005. www.sei.co.jp