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Excelight Ships CWDM Transceivers

DURHAM, N.C. -- ExceLight Communications, a U.S.-based unit of Sumitomo Electric Industries (SEI), is now shipping in production volumes Small Form-factor Pluggable (SFP) optical transceivers for coarse wavelength-division multiplexing (CWDM) applications. The transceivers are available in eight ITU-compliant CWDM wavelengths from 1470 nm to 1610 nm. Transceivers for eight additional wavelengths in the 1300-nm region will be available later this year. The devices include color coding by wavelength for easy identification.

Using SEI's high-performance, uncooled DFB lasers and optimum thermal design of devices and circuitry, the transceivers combine excellent transmission characteristics and low cost.

Supporting 1.25 Gb/s Gigabit Ethernet, 2.5 Gb/s STM-16/OC-48, and 2.7 Gb/s STM-16/OC-48 with FEC, the transceivers achieve transmission distances of 40 km with a PIN photodiode receiver or 80 km with an APD.

To ease application and operation, the transceivers include built-in digital diagnostic functions and operate from a single 3.3-Vdc supply. They comply fully with the SFP multisource agreement.

The new CWDM transceivers extend SEI's already broad line of SFP transceivers for data and telecom applications.

In producing the transceivers, SEI has been granted a license from Finisar Corporation for the following patents: US 5,019,769 and US 6,439,918.

About Sumitomo Electric Industries Limited

Sumitomo Electric Industries, Ltd. (SEI)(TSE: 5802) designs, manufactures and sells optical fibers 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 70,000 people. SEI reported group net sales of 1,485 billion yen for the year ended March 2002.

About Excelight Communications

ExceLight is a wholly owned subsidiary of Sumitomo Electric Industries. Established in August 2000, ExceLight offers lasers and photodiodes, data links, passive products, and GaAs ICs for public and private networking.