



## News Release

### **Sumitomo Electric and Anritsu to Demonstrate 40Gb/s Serial EML 1310nm Technology for High-bandwidth Next-generation Networks at OFC/NFOEC 2010**

**San Diego, CA – March 23, 2010** – Sumitomo Electric Industries, Ltd., a leading global provider of optical components and modules, and Anritsu Company, a global leader in optical test solutions, will be conducting a joint 40Gb/s technology demonstration in Anritsu's booth – #3140 – during OFC/NFOEC 2010. The demonstration will showcase Anritsu's MP1800 BERT Signal Quality Analyzer and External 56G-MUX/DeMUX, and Sumitomo Electric's 40G EML Laser and 40G Receiver.

The Sumitomo devices are XLMD MSA compliant. The XLMD MSA defines the electrical and optical interface specifications for 40Gbit/s pigtail optical devices supporting the emergence of the compact 40G transceiver module market for high-capacity networks and storage systems.

"The significance of this announcement is that it demonstrates the viability of extending the transmission distance of 40G serial transmission in a conventional single-mode environment, offering higher bandwidth per fiber," said Masahiro Kobayashi, general manager of Lightwave Devices Division, Sumitomo Electric Device Innovations, Inc. "This demonstration paves the way for a rapid commercial development of 40G systems."

The demonstration will feature Sumitomo Electric's 40G EML Laser and 40G Receiver. The 40G EML is ideal for 43Gb/s serial applications and will be capable of distances up to 40 km with an integrated modulator driver IC. The 40G Receiver is housed in an 8-pin package with PIN and TIA and supports 30 GHz bandwidth.

Consisting of MP1800 BERT Signal Quality Analyzer and MP1821A/1822A External 56G-MUX/DeMUX, Anritsu's 40G test solution supports testing from 0.1Gbps to 56Gbps serial BERT with the 3.5Vp-p high-amplitude output and cross point adjustment. The solution provides the fastest Tr/Tf and minimum intrinsic jitter. The flexible and expandable configuration of the MP1800A BERT allows users to customize the system to fit their specific applications. The solution supports not only the 56G serial BERT but also 100G applications, such as CFP testing (25.78G x 4) and DP-QPSK.

**Visit Us at OFC/NFOEC –Sumitomo Electric's Booth #1935 and Anritsu's Booth #3140**

#### **About Sumitomo Electric Industries, Ltd.**

Sumitomo Electric Industries, Ltd. designs, manufactures and sells optical fiber, cable and components, advanced electronic devices, and automotive parts. Through a successful strategy of research and

diversification, Sumitomo Electric has become one of the world's leading companies at the forefront of the revolution in information and communications. Sumitomo Electric'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 company has operations around the world in more than 30 countries and employs 150,000 people. Sumitomo Electric reported group net sales of \$22 billion for the year ended March 2009. <http://global-sei.com>

### **About Sumitomo Electric Device Innovations, Inc.**

Sumitomo Electric Device Innovations, Inc. (SEDI), a subsidiary of Sumitomo Electric, was launched as a new company in August 2009 by integrating the wireless and optical transmission device business of Eudyna Device, Inc. and Sumitomo Electric Industries, Ltd. SEDI designs and manufactures optical/wireless components and subsystems for telecommunication, CATV, broadband data communication and wireless transmission. SEDI is one of the world's leading companies in the optical communication components market while also providing various solutions in other areas, such as mobile communication, consumer-use application and automobile markets. <http://www.sedi.co.jp/e/>

### **About Anritsu Company**

Anritsu Company ([www.us.anritsu.com](http://www.us.anritsu.com)) is the American subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions with a history of more than 110 years. Anritsu provides test equipment for legacy and next-generation wired and wireless communication systems. Anritsu products include wireless, optical, microwave/RF, and digital instruments as well as operations support systems for R&D, manufacturing, installation, and maintenance. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. With offices throughout the world, Anritsu sells in over 90 countries with approximately 4,000 employees.

For more information, visit [www.us.anritsu.com](http://www.us.anritsu.com).

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