PRESS RELEASE
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Cube Optics AG Releases First CWDM 40 Gbps ROSA
4 channel ROSA for 40Gbps multi-lambda Transceivers

Mainz, Germany – September 19, 2008 – Cube Optics has successfully manufactured the world's first integrated multi-lambda 40Gbps Receiver Optical Sub-Assemblies (ROSAs) This novel device has demonstrated superior performance in a robust, manufacturable design. The ROSA optically demultiplexes four Coarse Wavelength Division Multiplexing (CWDM) channels operating at 10 Gb/s. The optical signals are converted to electrical information via integrated detectors and further processed by suitable TIAs into a four lane electrical at output data rates of up to four times 10Gbps.

In an effort to cope with constantly increasing bandwidth in LAN, SAN and Metro applications service providers are demanding higher speed optical interfaces. To meet this need for greater transmission rates, the IEEE 802.3ba Ethernet Task Force is currently in the process of establishing new standards for 40 Gbps fiber-optical transceivers. Current serial transport designs with state of the art electronics and optics, even for relatively short distances, are not cost effective at such high speeds. The lower cost approach optically multiplexes together data rates of 10Gbps bit streams in order to realize transmission rates at 40Gbps. The Cube Optics' approach integrates 4 PIN detectors respectively 4 laser diodes along with the associated miniature optical multiplexer. Miniature multi-lambda TOSA and ROSA assemblies will enable the commercial development of the n X 10Gb/s pluggable transceiver markets.

Cube Optics AG has now demonstrated the first high-speed ROSA combining the optical demultiplexer with integrated PIN detectors and Trans-Impedance Amplifiers (TIA) for four optical CWDM grid signals each operating at 10Gbps. With a miniaturized size of only 12.9 x 10.5 x 7.8 mm and a minimal power consumption of typically 100mW per channel, the product facilitates the realization of small and pluggable 40Gbps transceivers. The ROSA features

sensitivities of well above -18dBm. The optical demultiplexer utilizes the 1271, 1291, 1311 and 1331 nm channels of the CWDM ITU grid.

The compact, direct-bounce multiplexer architecture draws on Cube Optics' intellectual property and fabrication expertise. The 40Gbps CWDM ROSA is available in sample volumes and will be transferred into production by the end of 2008. CUBO is now well on its way to completing the TOSA counter-part as well as the advanced 100Gbps ROSA and TOSA variants.

"The design, fabrication and assembly of the multi-lambda 40G ROSA was realized under a very tight schedule and we are very happy that we could show evidence of such outstanding performance so quickly. Our 40G ROSA marks the launch of CUBO's new active component product family of high speed optical transceiver front-ends" commented Ingo Smaglinski, the Chief Technical Officer of Cube Optics.

About Cube Optics

Cube Optics sells a family of ultra-compact optical components, modules and solutions tailored to the demands of the access network. The Company's innovative active/passive optical packaging platform enables it to provide outside-plant Telcordia approved, bandwidth enhancing solutions at compelling price points. This ultra-compact packaging platform leverages advanced micro-injection molding techniques and enables network operators to realize low-cost, high performance architectures for both large and small network deployments and legacy infrastructure upgrades. Cube Optics' products have been implemented in a wide variety of applications including local loop unbundling, HFC capacity upgrades, FTTX roll-outs as well as in equipment for the test and measurement of access networks. The Company is based in Mainz, Germany.

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