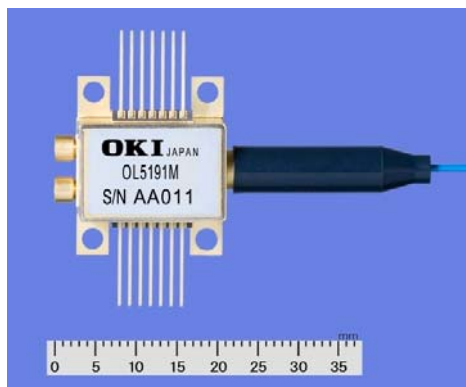




Oki Semiconductor develops EML with a built-in driver IC for 40Gbps optical communications

TOKYO, March 23, 2009 – Oki Semiconductor announces the development of new product OL5191M, an XLMD-MSA(*1) compliant EML(*2) with a built-in driver IC. Sample will be available in May 2009 and volume production will start from August 2009.

40 Gbps optical communications transceivers have been becoming smaller in size, thus the mounting area for components have been reduced. The OL5191M has EML and in house made InP HEMT(*3) driver IC built-into a same package, achieving 60 percent reduction of the mounting area in a transceiver than that of using EML and external driver.



The OL5191M generates high-quality optical waveforms for use in 40 Gbps optical communications, and also facilitates size reductions. Oki Semiconductor employs high-speed, low power consumption devices to offer high-performance, high-quality optical components to the 40 Gbps optical communications market—a market expected to grow in the future.

The 40 Gbps EML with a built-in driver IC will be exhibited and explained at the Oki Semiconductor booth (#2431) at the Optical Fiber Communications Conference & Exposition and the National Fiber Optic Engineers Conference (OFC/NFOEC2009) (<http://www.ofcnfoec.org/>) joint venue to be held in San Diego, California, March 22 to 26 (Sun. to Thur.), 2009.

Sales Plan

- Sample shipment: May 2009
- Volume shipment: August 2009
- Sales target: > 30% of market share by 2010.

Main features

- XLMD-MSA compliant
- 43 Gbps operation
- 10dB extinction ratio

Glossary

***1: XLMD-MSA**

Multi-source agreement for 40 Gbps optical communications transmitter and receiver modules

***2: EML (electro-absorption modulated laser)**

Optical semiconductor component integrating laser diode and electro-absorption optical modulator

***3: InP HEMT**

Compound semiconductor device using 2-dimensional electron gas layer for channel on InP compound semiconductor substrate, offering outstanding high-speed performance.

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