

<For immediate release>

## **EpiPhotonics developed low-loss PLZT waveguide for scalable high-speed optical switches**

**December 15, 2011**

San Jose, CA and Tokyo, Japan – EpiPhotonics, a leading supplier of high-speed optical switches, developed the lower-loss electro-optic PLZT waveguides for nano-seconds speed optical switching.

The loss figures for the newly developed buried PLZT waveguide reached “below 1 dB/cm” against the previous PLZT waveguides. Since the PLZT waveguide size is only in the range from 1 cm to 2 cm, now PLZT switches have very competitive loss figures when compared to other available options. Minimum fiber to fiber insertion losses are 4 dB for a 1x8 switch and 5 dB for a 4x4 switch, for example.

EpiPhotonics now deliver one of the lowest-loss, fastest switching speed, polarization independent devices from 2012 spring. These low power consumption scalable optical switches with high-speed driver electronics are now available to the optical communications industry. The scales are currently 1x1, 1x2, 1x4, 1x8, 1x16, 2x2, and 4x4 ports. EpiPhotonics already have significant inquiries from system vendors interested in optical packet switching, optical burst switching, and other optical networks.

EpiPhotonics will exhibit newly developed PLZT optics switches at Photonics West 2012 in San Francisco and OFC 2012 in Los Angeles.

### **About EpiPhotonics**

EpiPhotonics is a fast growing high-technology company headquartered in Tokyo with its main research, development and manufacturing facility in San Jose, California. By capitalizing on its proprietary PLZT electro-optic technology, EpiPhotonics designs, manufactures and markets advanced integrated photonics products for the optical communication market.

EpiPhotonics currently supplies high-speed optical switches and tunable AWGs to the world leading optical networking companies, testing equipment companies, fiber sensing equipment companies, and also research and governmental organizations.

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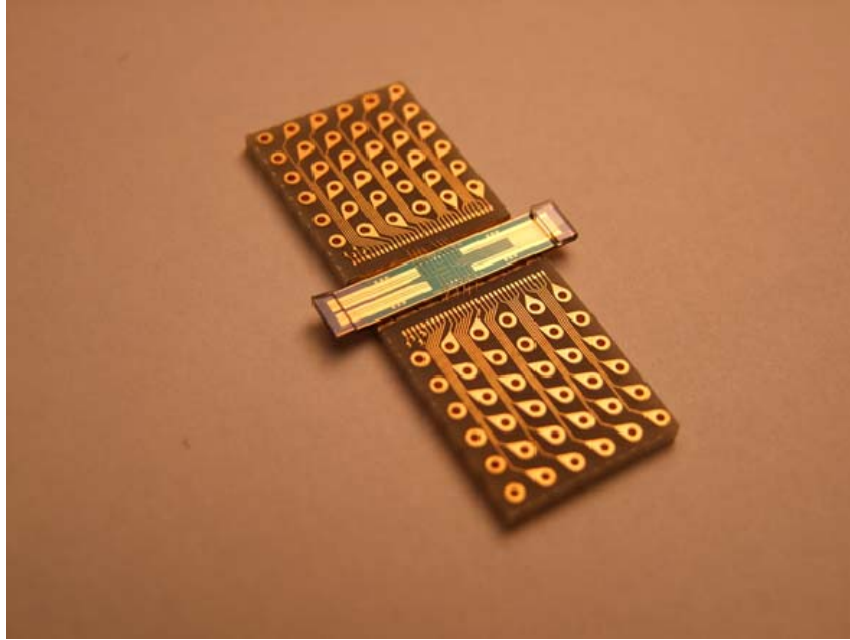
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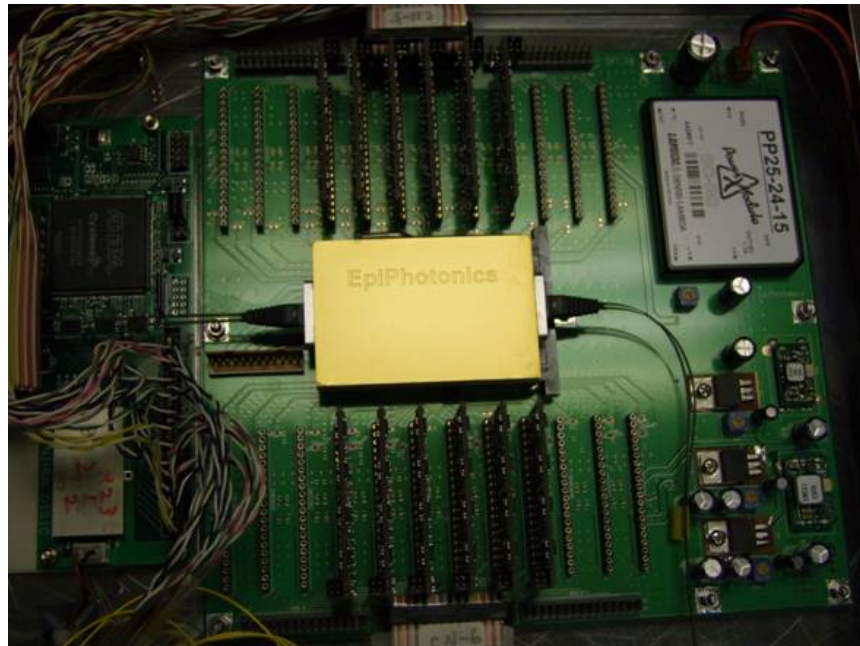
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1x8 PLZT optical switch chip



4x4 PLZT switch module with drier board