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POF@10G Group Announces 10G Transmission Over Graded Index Plastic Optical Fibre

Bristol, UK, March 2nd, 2006. POF@10G, an industry grouping promoting the use of Graded Index Plastic Optical Fibre (GI-POF), announced today that it has successfully demonstrated data transmission at data rates of 10Gbps on Plastic Optical Fibres over 100m in length.

The 10Gbps market is forecast to be worth $2,500m by 2009. The performance demonstrated positions GI-POF as a real alternative to copper based technologies such as IEEE 10GBASE-T for connections within data centres. If offers cost savings of 50% and power reduction of up to 75%, compared to competing technologies. This is achieved through lower installation costs, new connector technology and semiconductor device capability in a format which minimizes cable size.

GI-POF offers ease of use and installation, with clip-on SC connectors to terminate cables and requiring minimal training or specialist equipment to terminate the GI-POF cables. It exhibits extremely robust performance in the presence of mechanical interference.

The capability of GI-POF to be used in a full 10Gbps communications link was achieved using a low cost 850nm Vertical Cavity Surface Emitting Laser (VCSEL) and Receive Optical Sub Assembly (ROSA), together with an Electronic Dispersion Control (EDC) receiver, enabling an optical module with power dissipation of less than 1.5W.

All the products used in the tests are available in 2006 in production quantities, making GI-POF the short term alternative for 100m 10G solutions.

“10Gbps over 100m has been the goal of a number of initiatives and standards activities recently. The news that the performance standard can be achieved using GI-POF, together

with low cost optical assemblies and IC technology which are available today, provides a real opportunity for system vendors to provide the data rates demanded by their customers at a cost which makes sense and with power consumption that is realistic," said Brad Weaterton, Director of Marketing for Phyworks.

A demonstration of the capability will be made at OFC/NFOEC, Stand 1226, Anaheim, California, March 9th, 2006 at 10.30am. The demonstration will be preceded by a press briefing at 10.00am on March 9th at the Hilton Hotel, Mezzanine #13 Meeting Room, Anaheim.

About POF@10G

POF@10G is a new grouping of leading edge players in the optical communications industry. It includes fibre suppliers, cable and connector manufacturers, sub assembly providers and chip companies and is committed to promoting and educating in the use of GI-POF for 10Gbps applications.

The founder members of POF@10G are:

Archcom Technologies Inc	www.archcomtech.com
Asahi Glass Company Ltd	www.agc.co.jp
Chromis Fiberoptics	www.chromisfiber.com
Nexans	www.nexans.com
Phyworks Ltd	www.phyworks-ic.com
Picolight Corporation	www.picolight.com

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