

PRESS RELEASE

OMMIC announces the release of 2 new products to its 10Gb/s Fibre Optic Interface Product Line.

EuMW04, Amsterdam, 11th October 2004, OMMIC announces the introduction of 2 new products to its family of optical interfacing circuits working up to 10.7 Gb/s. These products offer improved overall performance and are well suited to the ever more demanding specifications required by 10 Gb/s optical systems.

The CGY2115 is available as a bare die (CGY2115UH) or in a small profile QFN16 plastic package (CGY2115HV) and is designed to drive an electro-absorption modulator (EAM) at speeds up to 10.7 Gb/s. The bare die version has a rise time of 19 ps and a fall time of 14 ps while the packaged device has excellent rise time and fall times of 27 ps and 24 ps respectively. The devices have on chip biasing networks, voltage offset controls and cross-point controls to enable easy interfacing to the EAM. The circuit operates from a single – 5.2 V supply and delivers up to 3 V_{pp} voltage swing and a 1 V bias offset to the EAM.

The CGY2116UH is a very high performance Transimpedance Amplifier (TIA) for 10.7 Gb/s and completes OMMIC's family of interface products for fibre optic communications. It combines an exceptional sensitivity of – 22 dBm with on chip AGC to provide a high input overload of > 2.5 mA. This new product has a bandwidth of 9.5 GHz, a high differential transimpedance gain of 74 dBΩ and a group delay of less than ±25 ps up to 10GHz. The power consumption is typically 400 mW from a single + 5 V supply.

Both devices are fabricated using OMMIC's space qualified 180 nm Enhancement-Depletion Mode PHEMT technology. Samples and datasheets available on request.

About OMMIC

OMMIC, a part of the Philips Group of Companies, is a leading supplier of MMIC circuits, Foundry Service and Epitaxial Wafers based on III-V materials. As a leader in advanced technologies, OMMIC provides its customers with cutting edge performance in Telecommunication, Space and Defence. The design and manufacturing facilities of OMMIC are based near Paris, France and have obtained the ISO9001:2000 and ISO14001 Quality Awards.

Additional Information

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