

PRESS RELEASE

OMMIC announces the release of a new product for its Defence and Instrumentation Product Line.

EuMW04, Amsterdam, 11th October 2004 - OMMIC adds a new ultra wideband amplifier to its product portfolio. This device is based on OMMIC's extensive knowledge on low noise and driver amplifiers for 40 Gb/s optical transmission systems and provides an excellent noise figure and compression point up to 45 GHz.

The CGY2160UH has a bandwidth of 1.5 to 45 GHz and provides a high gain of 15 dB. This MMIC has an excellent mid-band noise figure of 2.5 dB and delivers 18 dBm of P1dBm at 20 GHz and 15 dBm at 40 GHz. The power consumption is only 500 mW and requires no external biasing networks. Good input and output matching to 50 Ω is achieved and unconditional stability is guaranteed over the entire frequency, biasing and temperature range.

Typical applications for this product are Electronic Warfare systems, Radar and Counter Measures, Instrumentation and as a general purpose wide band gain block.

The CGY2160UH is fabricated using OMMIC's standard 130 nm power PHEMT Space Qualified process. Samples and datasheets are available.

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 obtained the International ISO9001:2000 and ISO14001 Quality Awards.

Additional Information

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