

## **OMMIC launches a new Low Noise Amplifier for Base Stations**

European Microwave Week, la Défense, Paris, 3<sup>rd</sup> October 2005 - OMMIC announces the introduction of the CGY2109HV a very Low Noise – very High Linearity amplifier for Base Stations. This product further extends OMMIC's LNAs for base stations and is suitable for all GSM, DCS, PCS and W-CDMA applications.

The CGY2109UH achieves an excellent noise figure and gain from 100 MHz to 3 GHz while simultaneously providing a high IP3. This device is a dual LNA, with 2 amplifiers fabricated on the same die, with outstanding tracking between the two circuits. The plastic packaged (QFN) dual LNA is delivered as fully RF tested product.

At 1.9 GHz the demonstration board has a gain of 19 dB, 0.5 dB noise figure and an input IP3 of 11 dBm. Used in a balanced configuration, the CGY2109UH will allow a complete amplifier noise figure (including all connector, coupler and matching losses) of 0.6 dB and an output IP3 of 33 dBm with input and output matching better than - 25 dB.

Samples and demonstration boards 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 have obtained the International ISO9001:2000 and ISO14001:2004 Quality Awards.

### **Additional Information**

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