

## **OMMIC launches a new family of Double Balanced Wide Band Mixers**

RF & Hyper 2007, la Défense, Paris, 27<sup>th</sup> March 2007 - OMMIC announces the introduction of a new family of high performance Wide Band Double Balanced Mixers covering the band 0.7 GHz to 10 GHz. These MMICs are ideal for use in GPS, Telecommunication, Radar, EW and Instrumentation applications.

The CGY2180UH, CGY2181UH, CGY2182UH use on chip baluns to provide excellent rejection of the LO to the RF and IF paths of > 40 dB while the passive mixer structure gives a very high dynamic range with an Input 1 dB Compression Point of > 12 dBm. The CGY2180UH was designed to operate from 0.7 GHz to 3.7 GHz and is ideal for GPS applications such as the European Galileo System. The CGY2181UH operates from 1 GHz to 4.5 GHz and the CGY2182UH from 3 GHz to 10 GHz.

These die are manufactured using OMMIC's 0.18 µm gate length PHEMT Technology. The MMIC uses gold bonding pads and backside metallization and is fully protected with Silicon Nitride passivation to obtain the highest level of reliability.

Samples and demonstration boards are available from stock.

These MMICs have been developed in the framework of the European Space Agency's "European Component Initiative" with the participation of Alcatel Alenia Space.

### **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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