

OMMIC launches a new High Gain, Low Noise Amplifier for C-Band.

RF & HYPER, la Défense, Paris, 21st March 2006 - OMMIC announces the introduction of the CGY2178UH a Low Noise – very High Gain Amplifier for use in C-Band applications (5 – 6 GHz).

The CGY2178UH achieves an excellent noise figure (1 dB), matching (<-15 dB) and a high gain (30 dB) in C-Band using a fully integrated amplifier with a simple and robust external input matching circuit. Operating from 3 V and 40 mA the CGY2178UH provides an output 1dB compression point of 15 dBm and an output IP3 of 22 dBm.

Based on its experience in supplying ultimate performance LNAs to the Base Station Market using a fully qualified 180 nm PHEMT technology and its recent developments in Phased Array Antenna MMICs, OMMIC has been able to design a robust and high performance LNA perfectly suited to C-Band applications.

This LNA forms part of OMMIC's chip set for active antennas in C-band that includes a fully integrated core chip MMIC as well as separate phase shifters and attenuators MMICs.

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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