

12 GHz coplanar quasi-monolithic oscillator

E. Wasige, G. Kompa, F. van Raay, W. Scholz, I.W. Rangelow, R. Kassing, S. Bertram and P. Hudek. "12 GHz coplanar quasi-monolithic oscillator." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. 1 [MWSYM]): 227-228 vol.1.

First results on coplanar quasi-monolithic (QM) circuits with GaAs FETs embedded in a silicon substrate are presented. Typical monolithic integration techniques are used for the fabrication of the passive circuitry and interconnects to the active devices. Measurements on a 12 GHz oscillator demonstrate the viability of the proposed technology.

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