

Abstracts

A Novel MMIC Approach to Sampling Phase/Frequency Detection for Microwave Quartz-Lock Oscillators

T. Nakagawa, T. Hirota and T. Ohira. "A Novel MMIC Approach to Sampling Phase/Frequency Detection for Microwave Quartz-Lock Oscillators." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1301-1304.

A novel concept in sampling phase/frequency detection for microwave quartzlock oscillators is proposed, and its prototype is developed in a GaAs MMIC. It is found out experimentally that the proposed detector provides drastic improvement over conventional sampling phase detectors in pull-in range.

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