

Abstracts

GaAs FET Applications for Injection-Locked Oscillators and Self-Oscillating Mixers (1978 [MWSYM])

Y. Tajima. "GaAs FET Applications for Injection-Locked Oscillators and Self-Oscillating Mixers (1978 [MWSYM])." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 303-305.

Injection-locked oscillators (ILOs) using GaAs FETs are described experimentally and theoretically. Wider locking range was obtained with transmission-type ILOs than with reflection-type. Functioning as a self-oscillating mixer, the circuit showed 9.5 dB (DSB) noise figure.

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