

Abstracts

Ultra Low Chirp GaAs Dual Gate FET Microwave Oscillators

J.S. Joshi and R.S. Pengelly. "Ultra Low Chirp GaAs Dual Gate FET Microwave Oscillators." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 379-382.

Pulsed RF oscillators using dual gate gallium arsenide FETs have been realised in X and J band frequencies. These oscillators have excellent chirp characteristics. The dual gate MESFET properties which provides such chirp performance are discussed together with experimental results. Further work which needs to be undertaken to improve the performance of these oscillators for practical applications is outlined.

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