

Abstracts

Harmonic Tuning Effects of TRAPATT Oscillators

R.J. Trew, G.I. Haddad and N.A. Masnari. "Harmonic Tuning Effects of TRAPATT Oscillators." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 85-87.

A simplified computer model of a TRAPATT oscillator has been utilized to investigate harmonic tuning effects. The results of an investigation of realistic waveforms provide insight into the tuning conditions necessary for high-efficiency operation. Circuit impedance measurements of an S-band TRAPATT oscillator support many of the theoretical predictions.

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