

Abstracts

Millimeter Wave IMPATT Microstrip Oscillators

P. Yen, D. English, C. Ito and K. Chang. "Millimeter Wave IMPATT Microstrip Oscillators." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 139-141.

Low cost, rugged, light weight microstrip IMPATT oscillators with a very simple structure have been developed. A Q-band (45 GHz) oscillator provides a CW output power of 200 mW. A W-band (94 GHz) oscillator provides 25 mW of CW output power and a pulsed output power of 3 watts.

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