Abstracts

Trapped Inverted Microstrip (TIM) Circuits for Combining the Outputs of High-Power IMPATT Oscillators

R.F. Bera and R.N. Wallace. "Trapped Inverted Microstrip (TIM) Circuits for Combining the Outputs of High-Power IMPATT Oscillators." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 306-308.

High-power IMPATT oscillators were combined through balanced hybrids realized in trapped inverted microstrip (TIM) line. Combining efficiencies approached 80 percent, with CW power outputs of 42 W at 5 GHz and 22 W at 9.3 GHz from four-oscillator arrays.

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