

Abstracts

High Power 94-GHz Pulsed IMPATT Oscillators

K. Chang, C. Sun, D.L. English and E.M. Nakaji. "High Power 94-GHz Pulsed IMPATT Oscillators." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 71-72.

High peak power oscillators using double-drift IMPATT diodes have been developed in W-band, The diodes were operated with 100 ns pulsewidth and 0.5 percent duty cycle. Peak power of 13 watts were consistently achieved. As a best result, over 15W peak power was achieved with selected diodes.

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