

Multi-Parallel Operation of Gunn Diodes for High RF Power

Y. Kaneko, K. Kimura and J. Nakagawa. "Multi-Parallel Operation of Gunn Diodes for High RF Power." 1971 G-MTT International Microwave Symposium Digest of Technical Papers 71.1 (1971 [MWSYM]): 156-157.

Twelve diodes are operated to achieve a total output of 920 mW with 80% "paralleling efficiency" at 12.7 GHz. One oscillator unit consists of four diodes placed in a series-parallel configuration and can be cascaded.

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