

Abstracts

A Microwave Integrated Circuit Avalanche-Diode Oscillator (Correspondence)

R. Blau. "A Microwave Integrated Circuit Avalanche-Diode Oscillator (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.3 (Mar. 1968 [T-MTT]): 196-197.

Peak power of 1.4 watts has been obtained from a passivated silicon chip operated as a pulsed avalanche oscillator in a microwave integrated circuit. To our knowledge, although microwave oscillations from avalanche diodes under various conditions have been reported, these are the first such results reported in microwave integrated circuits.

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