

Abstracts

High-Power, Low-Noise Avalanche Diode Oscillators

F. Ivanek, V. Gopala and K. Reddi. "High-Power, Low-Noise Avalanche Diode Oscillators." 1971 G-MTT International Microwave Symposium Digest of Technical Papers 71.1 (1971 [MWSYM]): 86-87.

An approach to higher-power generation with avalanche diodes is described which uses (1) passivated devices in order to avoid the use of conventional packages, (2) multiple-diode chips for reducing the thermal resistance, and (3) cascading waveguide oscillator mounts for efficient power combining.

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