

Abstracts

A Millimeter-Wave Microslab™ Oscillator

H.B. Sequeira, J.A. McClintock, B. Young and T. Itoh. "A Millimeter-Wave Microslab™ Oscillator." 1986 Transactions on Microwave Theory and Techniques 34.12 (Dec. 1986 [T-MTT] (1986 Symposium Issue)): 1333-1336.

Simplified and rigorous mode-matching analyses are applied to find the propagating characteristics of Microslab-a novel, planar waveguiding medium. We also report, for the first time, the coupling of a millimeter-wave GaAs Gunn device directly to Microslab using a monolithic-like structure to produce 0.25 mW of oscillator power at 141 GHz.

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