

Abstracts

A Distributed Feedback Dielectric Waveguide Oscillator with a Built-In Leaky-Wave Antenna

B.-S. Song and T. Itoh. "A Distributed Feedback Dielectric Waveguide Oscillator with a Built-In Leaky-Wave Antenna." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 217-219.

The high VSWR of a broadside-firing dielectric leaky-wave antenna is used for providing a feedback mechanism for the Gunn oscillator in a dielectric waveguide. The result is a Gunn oscillator with a built-in broadside antenna useful for dielectric microwave and millimeter wave integrated circuits.

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