Abstracts

Millimeter and Submillimeter Wave Quasi-Optical Oscillator with Multi-Elements (May 1992 ([T-MTT])

H. Kondo, M. Hieda, M. Nakayama, T. Tanaka, K. Osakabe and K. Mizuno. "Millimeter and Submillimeter Wave Quasi-Optical Oscillator with Multi-Elements (May 1992 ([T-MTT])." 1992 Transactions on Microwave Theory and Techniques 40.5 (May 1992 [T-MTT]): 857-863.

Multi-element oscillators with a quasi-optical resonator are reported. The resonator consists of a Fabry-Perot cavity with a grooved mirror (grating) and a concave mirror. It is possible to mount solid-state devices (Gunn diode, GaAsMESFET, etc.) in the grooved mirror. The oscillator has capability for power-combining of solid-state sources in the millimeter and submillimeter wave regions.

❑ Return to main document.