

Abstracts

A Voltage Tunable 35 GHz Monolithic GaAs FECTED Oscillator

K. Lubke, H. Scheiber and H. Thim. "A Voltage Tunable 35 GHz Monolithic GaAs FECTED Oscillator." 1991 Microwave and Guided Wave Letters 1.2 (Feb. 1991 [MGWL]): 35-37.

Monolithically integrated FECTED-oscillators have been fabricated with high yield, high reliability and precise frequency control. With unoptimized circuits 12 mW with 1.4% efficiency in cw-operation and 25 mW with 2% efficiency in pulsed operation have been obtained. These results represent the highest power output and efficiency of monolithic TED and FET oscillator in this frequency range.

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