

# Abstracts

## Frequency Doublers with GaAs FET's

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C. Rauscher. "Frequency Doublers with GaAs FET's." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 280-282.

A comprehensive study is presented of single-gate GaAs FET frequency doublers, including self-oscillating doublers, focusing specifically on their applicability to mm-wave power generation. Large-signal simulations are used to identify critical design aspects; with three experimental circuits substantiating the assumptions and predictions.

[Return to main document.](#)