

Abstracts

A 45 GHz GaAs FET MIC Oscillator-Doubler

T. Saito, M. Iwakuni, T. Sakane and Y. Tokumitsu. "A 45 GHz GaAs FET MIC Oscillator-Doubler." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 283-285.

A 45 GHz MIC oscillator-doubler using the gate-to-drain nonlinearity of a common-drain GaAs FET has been investigated. This oscillator-doubler has a high output power of 11.6 dBm, a high doubler efficiency of 9 dB and a high power efficiency of 1.6%.

[Return to main document.](#)