

Abstracts

GaAs MESFET Oscillator Design Using Large-Signal S-Parameters

R.J. Gilmore and F.J. Rosenbaum. "GaAs MESFET Oscillator Design Using Large-Signal S-Parameters." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 279-281.

A novel analytical technique is presented which uniquely determines the embedding network required for a MESFET oscillator to deliver specified power to an arbitrary load. An experimental 5.3 GHz oscillator provided 24 dBm with 35% efficiency.

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