Abstracts

Performance and Design of Microwave FET Harmonic Generators (Short Papers)

M.S. Gupta, R.W. Laton and T.T. Lee. "Performance and Design of Microwave FET Harmonic Generators (Short Papers)." 1981 Transactions on Microwave Theory and Techniques 29.3 (Mar. 1981 [T-MTT]): 261-262.

Experimental measurements of the power gain of a 4- to 8-GHz frequency doubler, employing a single-gate GaAs MESFET device and a microstrip circuit, are reported. The measured performance provides design guidelines, and is explained in terms of FET characteristics. In particular, the multiplication gain is largest when the FET is biased near pinchoff.

❑ Return to main document.