

Abstracts

Wideband MMIC Voltage Controlled Oscillator Using Active Impedance Load Matching

T. Takenaka, A. Miyazaki and H. Matsuura. "Wideband MMIC Voltage Controlled Oscillator Using Active Impedance Load Matching." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1503-1506.

A novel wideband MMIC voltage controlled oscillator (VCO) using an active impedance load matching composed of a common gate FET is proposed. The MMIC VCO achieves a bandwidth of 24.2 to 27.2 GHz and an output power of 9 dBm in size of 1 mm² with a fully integrated structure.

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