

Abstracts

40-GHz MMICs for optical modulator driver applications

R.S. Virk, E. Camargo, R. Hajji, S. Parker, R. Benelbar, S. Notomi and H. Ohnishi. "40-GHz MMICs for optical modulator driver applications." 2002 MTT-S International Microwave Symposium Digest 02.1 (2002 Vol. 1 [MWSYM]): 91-95 vol. 1.

This paper presents the simulated and measured performance of 50 kHz to 40 GHz distributed amplifier MMICs. The chips were fabricated in a double-doped AlGaAs/InGaAs/AlGaAs p-HEMT technology and designed using a microstrip configuration.. The driver MMIC achieves 40-GHz bandwidth and provides 6.6 V/sub p-p/ which is ideal for lithium niobate optical modulator driver applications.

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