

Abstracts

V-Band PHEMT Power Amplifier Using an N-Way Chain Combiner

M. Faulkner, P. Chye and R. Hansen. "V-Band PHEMT Power Amplifier Using an N-Way Chain Combiner." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 265-268.

A unique V-band power amplifier has been developed using an n-way chain combiner/divider. The power level obtained was 0.75 W at 55 GHz using four 640 μ m PHEMTs. To date, this is the highest power reported in the literature from power combined FETs in this band.

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