

Abstracts

A push-pull power MMIC operating at K/Ka-band frequencies

J. Scheilenberg and Hien Do-Ky. "A push-pull power MMIC operating at K/Ka-band frequencies." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 971-974 vol.3.

A push-pull power MMIC operating over the 24 to 38 GHz band is presented. Employing a CPW circuit medium, this IC has demonstrated an output power of 0.46 watt with a power-added efficiency of 26% at 25 GHz. The associated power gain was 14.6 dB. The size of this chip is a very compact 1.5/spl times/2.55 mm².

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