

## A 1 Watt 28 GHz Band Amplifier Using Clustered FETs

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*T. Takagi, K. Seino, A. Iida, M. Kobiki, Y. Mitsui and F. Takeda. "A 1 Watt 28 GHz Band Amplifier Using Clustered FETs." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 324-327.*

The clustered FET operating at Ka-band, in which four FET cells with 800  $\mu\text{m}$  gate width are combined by the new 4-way monolithic combiner, has been developed. The amplifier using these clustered FETs has been demonstrated with more than 1 watt power output with 6 dB associated gain over 27.6 - 29.3 GHz.

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