

Abstracts

A 16 GHz GaAs FET Frequency Divider

C. Rauscher. "A 16 GHz GaAs FET Frequency Divider." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 349-351.

A GaAs FET regenerative frequency divider operating at K/sub u/-band is described, employing a 0.5 μ m gate length device biased in the vicinity of pinch-off so as to provide both the gain and the nonlinear properties required for achieving frequency division. The study includes measured circuit responses as functions of drive level for single-tone CW, single-tone pulsed, and two-tone CW excitations.

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