

Abstracts

A Distributed 1-12 GHz Dual-Gate FET Mixer

T.S. Howard and A.M. Pavio. "A Distributed 1-12 GHz Dual-Gate FET Mixer." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 329-332.

A novel broadband mixer topology, which can be implemented using either monolithic or discrete microwave integrated circuit methods, has been developed using distributed design techniques. The mixer exhibits excellent conversion gain and frequency response characteristics with signal handling capabilities and LO drive requirements similar to conventional diode double-balanced mixers.

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