

Abstracts

A Practical Distributed FET Mixer for MMIC Applications

I.D. Robertson and A.H. Aghvami. "A Practical Distributed FET Mixer for MMIC Applications." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1031-1032.

A novel distributed FET mixer configuration suitable for MMIC realisation has been demonstrated in hybrid form. The mixer has achieved 3dB conversion gain over 2 to 12GHz and the single-sideband noise figure is 11dB. There is still considerable scope for improving the results of this prototype, using either MMIC or hybrid techniques.

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