

Abstracts

A Monolithic Double Balanced Single Sideband Modulator

S.D. Thompson and A.M. Pavio. "A Monolithic Double Balanced Single Sideband Modulator." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 899-902.

A novel approach to single sideband modulation is presented which employs two differential FET pairs to obtain carrier and undesired sideband cancellation throughout a broad frequency range. This double balanced structure is also space thrifty and contains only MESFETs as active elements, thus lending itself to a monolithic implementation.

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