

Abstracts

Double Balanced, Coplanar, Image Rejection Mixer Uses Monolithic MESFET Quad

D. Neuf and S. Spohrer. "Double Balanced, Coplanar, Image Rejection Mixer Uses Monolithic MESFET Quad." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 843-846.

A coplanar double balanced image rejection mixer with an input 1 dB compression level of +10 dBm uses two MESFET ring quads with only +10 dBm LO power. This is considerably more efficient in terms of LO power when compared to Schottky diodes. Eigen-circuits are used to model the balun performance.

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