

Abstracts

Wide-Band X-Band Microstrip Image Rejection Balanced Mixer (Correspondence)

G.P. Kurpis and J.J. Taub. "Wide-Band X-Band Microstrip Image Rejection Balanced Mixer (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.12 (Dec. 1970 [T-MTT] (1970 Symposium Issue)): 1181-1182.

A compact image rejection balanced mixer developed in microstrip medium is described. This integrated mixer gives over 20-dB image rejection and 10.6 ± 0.6 -dB noise figure (including 2.5-dB IF contribution) over 8-to 12-GHz range; it was designed on a 40-ohm impedance basis and is scalable to any 40-percent fractional bandwidth in the 1- to 12-GHz range.

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