

Abstracts

Use of Crystals in Balanced Mixers

J. Taub and P.J. Giordano. "Use of Crystals in Balanced Mixers." 1954 Transactions on Microwave Theory and Techniques 2.2 (Jul. 1954 [T-MTT]): 26-38.

The crystal parameters to be considered for obtaining accurate information about local oscillator noise suppression in a balanced mixer are theoretically presented. The interrelationship between available local oscillator noise suppression and the important design characteristics of microwave receivers are discussed and curves are plotted. A method of accurately measuring local oscillator noise suppression is given and experimental data is correlated with theoretical results.

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