

Abstracts

A Stripline Frequency Translator

E.M. Rutz. "A Stripline Frequency Translator." 1961 Transactions on Microwave Theory and Techniques 9.2 (Mar. 1961 [T-MTT]): 158-161.

A frequency translator is discussed which operates at C-band frequencies. The modulators in the frequency translator are crystal diodes, and modulation is obtained by periodic variation of the reflection characteristic of the crystal modulators. The conversion loss of the frequency translator is 6.5 db at 8-mw input power. The unwanted sidebands are at least 25 db below the translated signal.

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