

Abstracts

A New Technique for Designing Highly Stable High Efficiency Varactor Multiplier Chains

A.I. Grayzel and R.T. Minkoff. "A New Technique for Designing Highly Stable High Efficiency Varactor Multiplier Chains." 1969 G-MTT International Microwave Symposium Digest of Technical Papers 69.1 (1969 [MWSYM]): 131-135.

In designing varactor multiplier chains, it is normally necessary to include isolators between the multipliers in order to eliminate spurious signals which are due to parametric oscillations. These oscillations can occur when two adjacent multipliers are not perfectly matched. In this paper, we shall present a method for the design of multiplier chains which are highly stable, eliminating the need for isolators.

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