

Abstracts

Multiple Pumped Parametric Amplifiers

G.C. Spacek. "Multiple Pumped Parametric Amplifiers." 1962 PGMTT National Symposium Program and Digest 62.1 (1962 [MWSYM]): 151-153.

A new concept in the field of parametric amplifiers has been evolved which provides significant increase in the gain-bandwidth product and stability of such devices. The concept involves the use of two independent pump sources of different frequencies. In this paper, the basic idea of multiple pumping is described and the analysis of double pumped parametric amplifiers is given. The experimental results obtained with such devices at VHF and microwave frequencies are reported.

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