

Abstracts

Feed Back Stabilization and Noise Reduction in Solid State Multiplier Chains

C.L. Cuccia and A. Savarin. "Feed Back Stabilization and Noise Reduction in Solid State Multiplier Chains." 1968 G-MTT International Microwave Symposium Digest and Technical Program 68.1 (1968 [MWSYM]): 99-102.

Many papers have been written concerning the theory, design, techniques, and measurements relating to power sources consisting of chains of transistor oscillators and simplifiers and varactor multipliers. In general, these papers have emphasized circuit design and in particular, have made an emormous point of designing for optimum power conversion efficiency. However, attractive high efficiency may be from the device standpoint, power stability and low noise output are far more important parameters from the system standpoint in which the chain is used, to assure continuous spurious and noise free circuit operation, even at the sacrifice of output power.

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