

Abstracts

S-Band Integrated Parametric Amplifier Having both Flat Gain and Linear Phase Response

H.C. Okean and H. Weingart. "S-Band Integrated Parametric Amplifier Having both Flat Gain and Linear Phase Response." 1968 G-MTT International Microwave Symposium Digest and Technical Program 68.1 (1968 [MWSYM]): 155-163.

This paper describes the design of an integrated, S-band parametric amplifier that combines a new procedure for the simultaneous achievement of both flat gain and linear-phase response with integration of the essential amplifier components with respect to design and fabrication. Such integration, utilizing either printed-circuit or thin-film techniques, or both, and eliminating all the intercomponent connectors and superfluous transmission lines, lends itself to the realization of precise amplifier performance (reference 1), and leads to potential low cost, mass reproducibility.

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