

Abstracts

Octave Bandwidth Tunnel-Diode Amplifier

J.H. Lepoff and G.J. Wheeler. "Octave Bandwidth Tunnel-Diode Amplifier." 1964 Transactions on Microwave Theory and Techniques 12.1 (Jan. 1964 [T-MTT]): 21-26.

Two tunnel-diode amplifiers for the frequency ranges 2 to 3 Gc and 3 to 4 Gc are combined with hybrids and low-pass filters to provide an octave bandwidth amplifier. The amplifier design is based on band-pass filter techniques. The gain exceeds 10 db over this band with noise figure better than 4 db.

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