

Abstracts

Low-Noise Mixer in Oversized Microstrip for 5-mm Band (Short Papers)

P.J. Meier. "Low-Noise Mixer in Oversized Microstrip for 5-mm Band (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.4 (Apr. 1974 [T-MTT]): 450-451.

This short paper summarizes the design and performance of a low-noise 5-mm mixer constructed in oversized microstrip--a new type of transmission line which is superior to microstrip at millimeter wavelengths. Including a 5-dB IF contribution, the measured noise figure was 9-10.5 dB over a wide range of LO frequencies and drive levels.

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