

Abstracts

A FET Amplifier in Finline Technique (Short Papers)

J. L'Ecuyer, G.B. Gajda and W.J.R. Hoefer. "A FET Amplifier in Finline Technique (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.2 (Feb. 1989 [T-MTT] (Special Issue on Quasi-Planar Millimeter-Wave Components and Subsystems)): 425-428.

The successful design and realization of a stable FET amplifier in finline technique are presented. The circuit has been realized in integrated E-plane technology and features an input and an output port in unilateral finline and a combined microstrip/coplanar bias circuit. The amplifier has been designed for 17 GHz operation and has a gain of 6 dB over a bandwidth of 1 GHz using a NE67300 FET.

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