

Abstracts

Optimization of Distributed Monolithic GaAs Amplifiers Using an Analytical/Graphical Technique

M. Ross and R.G. Harrison. "Optimization of Distributed Monolithic GaAs Amplifiers Using an Analytical/Graphical Technique." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 379-382.

An analytical/graphical procedure provides a close approximation to the optimum design of a distributed monolithic GaAs amplifier, given specific gain and 1-dB bandwidth requirements. The technique gives the optimum number of stages, the FET dimensions and the values of the lumped inductors used to realize the artificial transmission lines.

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