

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

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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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