Abstracts

Taper and Forward-Feed in GaAs MMIC Distributed Amplifiers

M. Ross, R.G. Harrison and R.K. Surridge. "Taper and Forward-Feed in GaAs MMIC Distributed Amplifiers." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1039-1042.

An improved distributed-amplifier (DA) architecture uses simultaneous inductance tapering and signal forward feeding to obtain additional degrees of freedom for optimization. The approach is illustrated by the design and fabrication of a DA with a predicted gain of 6.9 ± 0.7 dB over a band-width of 1-12 GHz.

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