

Abstracts

On Gain-Bandwidth Product for Distributed Amplifiers (Short Papers)

R.C. Becker and J.B. Beyer. "On Gain-Bandwidth Product for Distributed Amplifiers (Short Papers)." 1986 Transactions on Microwave Theory and Techniques 34.6 (Jun. 1986 [T-MTT]): 736-738.

Contours of constant gain-bandwidth product as a function of the gate and drain attenuation factors are presented. Design tradeoffs are established. It is shown that only one design achieves maximum gain-bandwidth, although many possible choices approach this maximum. The curves also lead to the specification of active device parameters when circuit requirements are known.

 [Return to main document.](#)