

Computer-Aided Determination of the Small-Signal Equivalent Network of a Bipolar Microwave Transistor

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The actual technology for the production of transistors is now suitable for bipolar transistors in the 10-GHz range. In order to obtain amplifier circuits in this microwave range, the knowledge of the exact equivalent circuit is essential. A computer method for the determination of the equivalent network is given. The final application and accuracy are shown for a particular microwave transistor.

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