Abstracts

Two-Dimensional Distributed Theory for a Microwave Schottky Barrier Field Effect Transistor

G.D. Alley, H.E. Talley and G.L. Wright. "Two-Dimensional Distributed Theory for a Microwave Schottky Barrier Field Effect Transistor." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 233-235.

A small signal equivalent circuit for a SBFET derived from the basic transport equations is extended to include the effects of finite propagation velocities along the contact metallizations. Resonances are shown to occur in the device y parameters due to distributed effects along these contacts.

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