

Abstracts

A New Large Signal HBT Model (1994 Vol. II [MWSYM])

Q.M. Zhang, J. Hu, J. Sitch, R.K. Surridge and J.M. Xu. "A New Large Signal HBT Model (1994 Vol. II [MWSYM])." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1253-1256.

A new large-signal HBT model has been developed and implemented in SPICE. With inclusion of several effects which are important for HBT operations and use of a proper extraction procedure for model parameter, excellent agreement between the modeled and measured device performance has been achieved over a wide range of operating conditions.

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