

Abstracts

Large-Signal Modeling of Self-Heating and RF-Breakdown Effects in Power HBTs

C.J. Wei, J.C.M. Hwang, W.J. Ho and J.A. Higgins. "Large-Signal Modeling of Self-Heating and RF-Breakdown Effects in Power HBTs." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1751-1754.

A large-signal HBT model including both self-heating and RF-breakdown effects was developed. The model was verified through RF waveform measurements. Using the model, the competing effects of open-base and open-emitter breakdown were analyzed.

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