

Abstracts

HBT Model Parameter Extractor for SPICE and Harmonic Balance Simulators

R. Anholt, J. Gerber, R. Tayrani and J. Pence. "HBT Model Parameter Extractor for SPICE and Harmonic Balance Simulators." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1257-1260.

We present a comprehensive test plan and extractor program that uses temperature-dependent DC and S-parameter measurements to determine Gummel-Poon type model parameters for HBTs for use in harmonic balance or SPICE simulation programs.

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