Abstracts

A Physically-Based Small-Signal Circuit Model for Heterostructure Acoustic Charge Transport Devices (1993 Vol. III [MWSYM])

J.S. Kenney and W.D. Hunt. "A Physically-Based Small-Signal Circuit Model for Heterostructure Acoustic Charge Transport Devices (1993 Vol. III [MWSYM])." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1513-1516.

This paper presents a small-signal circuit model for heterostructure acoustic charge transport (HACT) devices. Circuit elements and noise sources are derived from operating conditions and physical device parameters. Frequency response and noise figure are simulated using Libra/sup TM/. They agree within 1 dB of measured data.

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