

# Abstracts

## Numerical Analysis of Subharmonic Mixers Using a Bilinear Diode Model

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*R.G. Hicks and P.J. Khan. "Numerical Analysis of Subharmonic Mixers Using a Bilinear Diode Model." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 382-384.*

Using a bilinear approximation of the Schottky barrier diode characteristic, conversion loss peaks were accurately determined for a typical millimeter-wave subharmonically-pumped mixer. This approach requires significantly less computer time than a full nonlinear analysis.

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