

Research in the Microelectromagnetic Device Group

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You might also find the following information of interest:

- Modeling of lossy interconnects and transmission lines.
 - Microwave performance of tape automated bonding (TAB) tape.
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Compact Equivalent Circuit Model for the Skin Effect*

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Our poster presented at the 1996 International Microwave Symposium (held in San Francisco, June 17-21, 1996) can be [downloaded here](#) (pdf file is approximately 100K in size).

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Abstract

Rules for determining a compact circuit model consisting of four resistors and three inductors to accurately predict the skin effect have been developed. The circuit is easily constructed from the geometry, producing a response that matches exact results over a frequency range from dc to very high frequencies.

Introduction