Abstracts

Finite-Difference Analysis of Open and Short Circuits in Coplanar MMIC's Including Finite Metallization Thickness and Mode Conversion

K. Beilenhoff, W. Heinrich and H.L. Hartnagel. "Finite-Difference Analysis of Open and Short Circuits in Coplanar MMIC's Including Finite Metallization Thickness and Mode Conversion." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. I [MWSYM]): 103-106.

Open and short circuits as used in MMIC's are investigated by means of a Finite-Difference method in the frequency domain. Both mode conversion and finite metallization thickness are accounted for. For the open stub, noticeable mode conversion is observed whereas the short circuit behaviour shows a significant dependence on metallization thickness.

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