

Abstracts

Transmission-Matrix Representation of Fin-Line Discontinuities

A.S. Omar and K. Schunemann. "Transmission-Matrix Representation of Fin-Line Discontinuities." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 339-341.

A general treatise of cascaded discontinuities is given and applied to fin-line circuits. A transmission matrix representation is superior to a scattering matrix representation as far as cpu-time is concerned. The scattering matrix is, however, advantageous if the line length between any two junctions is large. Numerical examples are given for illustration.

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