

Effect of Complex Modes on Finline Discontinuities

A.S. Omar, K. Schunemann and J. Piotrowski. "Effect of Complex Modes on Finline Discontinuities." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 123-126.

The effect of ignoring complex modes on the solution of finline discontinuity problems is investigated. It is shown that the modal energy distribution at both sides of the discontinuity may be greatly affected by overlooking complex modes, even if they are not strongly excited. Comparison to measured data is also given to justify the validity of the numerical results.

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