Abstracts

Equivalent Circuits of Microstrip Discontinuities Including Radiation Effects

A. Skrivervik and J.R. Mosig. "Equivalent Circuits of Microstrip Discontinuities Including Radiation Effects." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1147-1150.

An efficient theoretical method for the full-wave analysis of microstrip circuit elements has been developed, taking into account effects due to surface waves and radiation. A new de-embedding process allows the derivation of equivalent circuits independent of the feed model used. Results for bends and slots are in good agreement with measurements and reduce to quasistatic predictions in the low frequency range.

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