Abstracts

Characterization Method and Simple Design Formulas of MCS Lines Proposed for MMIC's (1987 Vol. II [MWSYM])

E. Yamashita, K.R. Li, E. Kaneko and Y. Suzuki. "Characterization Method and Simple Design Formulas of MCS Lines Proposed for MMIC's (1987 Vol. II [MWSYM])." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 685-688.

Micro-coplanar-strip (MCS) lines are proposed to avoid serious proximity effects between microstrip lines and ground on monolithic microwave integrated circuits and to result in high packaging density. The rectangular boundary division method is used to attain quasi-TEM wave solutions for MCS lines. Results of this analysis are expressed in simple formulas.

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