

Abstracts

Longitudinal and Transverse Current Distributions on Coupled Microstrip Lines

M. Kobayashi and H. Momoi. "Longitudinal and Transverse Current Distributions on Coupled Microstrip Lines." 1988 Transactions on Microwave Theory and Techniques 36.3 (Mar. 1988 [T-MTT]): 588-593.

The normalized longitudinal and transverse current distributions on coupled microstrip lines are obtained for even and odd modes by using the charge conservation formula and the charge distributions calculated by a Green's function technique. Their dependence on the shape ratios w/h and s/h and on the relative permittivity ϵ of the substrate is shown.

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