# Abstracts

## Normalized Longitudinal Current Distributions on Microstrip Lines with Finite Strip Thickness

*M. Kobayashi and K. Takaishi. "Normalized Longitudinal Current Distributions on Microstrip Lines with Finite Strip Thickness." 1994 Transactions on Microwave Theory and Techniques 42.5 (May 1994 [T-MTT]): 866-869.*

An open microstrip line with finite strip thickness is numerically analyzed by the Green's function technique. The normalized longitudinal current distributions are systematically obtained for the cases of various shape and thickness ratios in the quasi-TEM approximation. The obtained results are illustrated in figures for three surfaces of the thick strip conductor, that is, the lower, side, and upper surfaces. The closed-form expressions are obtained for the normalized longitudinal current distributions by taking a best fit to theoretical results.

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