Abstracts

A Spectral-Domain Analysis of Periodically Nonuniform Coupled Microstrip Lines

Periodically nonuniform coupled microstrip lines on the basis of a numerical field calculation. As in the case nonuniform microstrip line described in an earlier paper by Floquet's theorem is used to express all field quantities in terms of their spatial harmonics. The boundary value problem is formulated in a rigorous way, then solved using Galerkin's method in the Fourier-transform domain. Numerical and experimental results are presented.

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