

# Abstracts

## Analysis of Microstrip Structures on and near Dielectric Ridges Using an Integral Equation-Mode Matching Technique

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*A.G. Engel, Jr. and L.P.B. Katehi. "Analysis of Microstrip Structures on and near Dielectric Ridges Using an Integral Equation-Mode Matching Technique." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 135-138.*

A full-wave technique which uniquely synthesizes well-known integral equation and mode-matching methods is shown to be applicable to the study of propagation in microstrip structures which are on and near dielectric ridges. Coupled microstrips on dielectric ridges and a microstrip near a chip edge are examined to demonstrate the accuracy and utility of this method.

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