

Abstracts

Analysis of Low-Loss Broadside-Coupled Dielectric Image Guide Using the Mode-Matching Technique (Short Papers)

B. Bhat and A.K. Tiwari. "Analysis of Low-Loss Broadside-Coupled Dielectric Image Guide Using the Mode-Matching Technique (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.7 (Jul. 1984 [T-MTT]): 711-717.

The solutions of electromagnetic field equations of the broad-side-coupled dielectric image guide are derived using the mode-matching technique. The even- and odd-mode dispersion characteristics are presented as a function of the dimensional parameters of the guide for the low-loss mode for which the principal electric field is parallel to the metal image planes.

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