

Abstracts

Negative Coupling Between TE/sub 10/ and TE/sub 20/ Modes for Use in Evanescent-Mode Bandpass Filters and Their Field-Theoretic CAD

K. Iguchi, M. Tsuji and H. Shigesawa. "Negative Coupling Between TE/sub 10/ and TE/sub 20/ Modes for Use in Evanescent-Mode Bandpass Filters and Their Field-Theoretic CAD." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 727-730.

A new type of evanescent-mode bandpass filters is proposed, which consists of both main and subsidiary cavities operating in nondegenerate two modes and a dominant mode, respectively. These cavities are arranged to realize a high-performance bandpass filter in a small size, by applying a field-theoretic CAD. Experiments prove our approach.

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