Abstracts

Optimum Design of Shielded Dielectric Rod and Ring Resonators for Obtaining the Best Mode Separation

Y. Kobayashi and M. Miura. "Optimum Design of Shielded Dielectric Rod and Ring Resonators for Obtaining the Best Mode Separation." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 184-186.

Accurate resonant frequencies of shielded dielectric rod and ring resonators are computed by means of the mode-matching technique. For four cases of the rod and ring resonators with TE/sub 01delta/ and HE/sub 11delta/ modes, the optimum dimensions are determined to obtain the best separation of the neighboring modes from the interested mode.

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