

Abstracts

Non adjacent resonators effects on coupling and resonant frequency in combine filters

M. El Sabbagh, K. Zaki and M. Yu. "Non adjacent resonators effects on coupling and resonant frequency in combine filters." 2001 MTT-S International Microwave Symposium Digest 01.2 (2001 Vol. II [MWSYM]): 1313-1316 vol.2.

Resonant frequencies and coupling coefficient between two combine cavities, in the presence of other cavities, are obtained accurately using mode matching technique. The effect of iris dimensions and position on the electric and magnetic coupling is rigorously investigated. The corresponding data for two isolated cavities are included for comparison.

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