

Abstracts

Microstrip Disk Cavities Filter Using Gap Capacitances Coupling

L. Zhuang, L. Yu-Quan and G. Zhong-Min. "Microstrip Disk Cavities Filter Using Gap Capacitances Coupling." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 551-553.

In this paper a microstrip disk cavities bandpass filter using gap capacitances coupling is proposed and tested. The advantages of this filter are its excellent electrical performance, small size and its convenience for planar integration. Here a theoretical evaluation of the main capacitances and gap capacitances in a shielded microstrip multi-conductors system is accomplished. Thus the foundation for analysis and synthesis of this filter is established.

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