

Abstracts

Generalized Slot Coupled Comblines Filters

H.-W. Yao, K.A. Zaki, A.E. Atia and R. Hershtig. "Generalized Slot Coupled Comblines Filters." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 395-398.

The resonant frequency and the slot coupling of combline cavities are analyzed by a rigorous method. The validation and accuracy of the method are confirmed by comparing the numerical results with measured data. It is shown how to achieve both capacitive and inductive coupling and how to realize generalized slot coupled combline filters, with finite transmission zeros. A 6-pole slot coupled combline filter with asymmetrical transmission zeros is designed and tested. Excellent filter response is obtained.

 [Return to main document.](#)