

Abstracts

Analysis of Quarter Wavelength Ceramic Comblines Filters

H.-W. Yao, C. Wang and K.A. Zaki. "Analysis of Quarter Wavelength Ceramic Comblines Filters." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 473-476.

This paper describes a rigorous method for analysis of coupled dielectric quarter wavelength comblines resonators. The results of resonant frequencies and couplings by different coupling structures are presented. A filter design technique using the results of numerical analysis is presented. A three-pole slot coupled filter is designed and tested. Excellent experimental results verify the theory.

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