

Abstracts

Mixed Mode Filters (Short Papers)

D.A. Taggart and R.D. Wanselow. "Mixed Mode Filters (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.10 (Oct. 1974 [T-MTT]): 898-902.

Mixed mode bandpass filters are described which utilize alternating TE_{011° and TE_{n11° circular waveguide cavity modes. This novel filter configuration exhibits both excellent unloaded Q and spurious mode response characteristics. The use of mixed resonant modes makes possible the design of microwave filters for both in-line side wall connected cylindrical resonators as well as folded planar filter configurations, whereby cross-coupling between selected resonators can be realized.

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