

# Abstracts

## Dual-Plane Coupled-Line Microwave Filter

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S.-J. Yao and R.R. Bonetti. "Dual-Plane Coupled-Line Microwave Filter." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 181-184.

Realization of a bandpass elliptic filter which employs quasi TEM resonators at different planes coupled through small apertures is described herein. Bethe's small-hole diffraction theory is used to predict the aperture couplings. An experimental filter illustrates the concept and shows that the configuration is suitable for high-temperature superconducting thin film implementation.

[Return to main document.](#)