

# Abstracts

## Dual-Plane Coupled-Line Microwave Filter

---

*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.](#)