

# Abstracts

## E-Plane Filters with Finite-Thickness Septa (Dec. 1983 [T-MTT])

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*Y.-C. Shih and T. Itoh. "E-Plane Filters with Finite-Thickness Septa (Dec. 1983 [T-MTT])." 1983 Transactions on Microwave Theory and Techniques 31.12 (Dec. 1983 [T-MTT] (1983 Symposium Issue)): 1009-1013.*

The effect of the metalization thickness of the septum is incorporated into an efficient computer-aided design (CAD) program for E-plane filters. The method is mathematically exact and numerically efficient. The results agree well with experimental data. The effect of the metal thickness on filter performance is demonstrated with a Ku-band filter.

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