

# Abstracts

## Extending the Realizable Bandwidth of Edge-Coupled Stripline Filters

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*P.A. Kirton and K.K. Pang. "Extending the Realizable Bandwidth of Edge-Coupled Stripline Filters." 1977 Transactions on Microwave Theory and Techniques 25.8 (Aug. 1977 [T-MTT]): 672-676.*

This paper discusses the physical realizability of wide-band parallel-coupled filters in edge-coupled stripline form. Based on the sine-plane approximation, a design procedure that permits the presently realizable bandwidth to be extended from 20 to 45 percent is developed. The new design optimizes the interior impedance level and replaces the end-coupled line sections by quarter-wavelength transformers.

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