

# Abstracts

## Thin-Film Lumped-Element Microwave Filters

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*D. Swanson. "Thin-Film Lumped-Element Microwave Filters." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 671-674.*

A method for the design and construction of thin-film lumped-element microwave filters is presented. The resulting filters exhibit broad spurious-free stopbands, small physical size, excellent amplitude and phase match, and high reliability due to their thin film construction. The necessary models for inductors and capacitors are discussed.

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