

Abstracts

Design methodology for multilayer coupled line filters

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This paper presents a methodology for designing asymmetric coupled line band-pass filter circuits in multilayer substrates. Filter specifications are used for deriving normal mode parameters for various asymmetric coupled sections. Method for arriving at filter dimensions is described for the embedded (homogeneous dielectric) configurations. The method developed is verified by comparison with results obtained from a full-wave electromagnetic simulation.

 [Return to main document.](#)