Abstracts

On the Design of Planar Microwave Components Using Multilayer Structures

W. Schwab and W. Menzel. "On the Design of Planar Microwave Components Using Multilayer Structures." 1992 Transactions on Microwave Theory and Techniques 40.1 (Jan. 1992 [T-MTT]): 67-72.

The design of planar microwave components using multilayer configurations with potentially arbitrary numbers of dielectric layers and metallization planes is described. Analysis and design are based on a combination of a spectral domain immittance matrix approach and standard CAD methods. To verify the design procedure, three examples--a microstrip-slot-line-microstrip transition, a stripline band-pass filter, and a microstrip coupler with lines on different sides of a common ground plane--are investigated theoretically and experimentally.

❑ Return to main document.