

Abstracts

Multilayer microstrip directional coupler with discrete coupling

D. Jaisson. "Multilayer microstrip directional coupler with discrete coupling." 2000 Transactions on Microwave Theory and Techniques 48.9 (Sep. 2000 [T-MTT] (Mini-Special Issue on Research Reported at the 8th Topical Meeting on Electrical Performance of Electronic Packaging (EPEP) 1999)): 1591-1595.

A multilayer microstrip coupler with a high directivity has been developed, involving two strips which crossover twice at a right angle. A general full-wave model has been derived. It has been simplified in a quasi-static approximation. Based on the latter, a computer-aided design has been carried out, using finite differences in a commercial package. This design has been experimented, showing good agreement with the simplified model.

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