

Abstracts

Slot-Coupled Directional Couplers Between Double-Sided Substrate Microstrip Lines and Their Applications

T. Tanaka, K. Tsunoda and M. Aikawa. "Slot-Coupled Directional Couplers Between Double-Sided Substrate Microstrip Lines and Their Applications." 1988 Transactions on Microwave Theory and Techniques 36.12 (Dec. 1988 [T-MTT] (1988 Symposium Issue)): 1752-1757.

This paper describes a slot-coupled microstrip directional coupler and its application to a planar multiport directional coupler (MDC). This slot-coupled microstrip directional coupler can be easily applied to tight coupling, such as 3 dB. A 4-port planar MDC fabricated by combining these couplers is described. Slot-coupled MDC's have many useful applications, such as beam-forming networks and multiport amplifiers.

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