

Abstracts

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

T. Tanaka, K. Tsunoda and M. Aikawa. "New Slot-Coupled Directional Couplers Between Double-Sided Substrate Microstrip Lines, and Their Applications." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 579-582.

This paper describes a newly developed slot-coupled directional coupler between two microstrip lines coupling through a rectangular slot in the common ground plane, and its application to a planar multiport directional coupler (MDC). An effective slot-coupled MDC is easily fabricated, and has many useful applications such as beam-forming networks and multiport amplifiers.

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