

# Abstracts

## A Directional Coupler of a Vertically Installed Planar Circuit Structure

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*Y. Konishi, I. Awai, Y. Fukuoka and M. Nakajima. "A Directional Coupler of a Vertically Installed Planar Circuit Structure." 1988 Transactions on Microwave Theory and Techniques 36.6 (Jun. 1988 [T-MTT]): 1057-1063.*

A new type of directional coupler is fabricated installing a second printed circuit board on a main board. Experimental results agree well with a numerical calculation based on the boundary element method. Compact and low-cost couplers can be created with a wide range of design parameters.

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