

Full-Wave Analysis of Coplanar Discontinuities Considering Three-Dimensional Bond Wires

M. Rittweger, M. Abdo and I. Wolff. "Full-Wave Analysis of Coplanar Discontinuities Considering Three-Dimensional Bond Wires." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 465-468.

The analysis of a simple coplanar band-reject filter based on open ended stubs using the finite difference time-domain (FDTD) method is presented. The influence of bond wires for grounding the side conductors of the coplanar lines is investigated. A comparison of the obtained results with accurate measurements is shown. Results are used for the discussion of the effect on coplanar circuit design.

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