Abstracts

Full-Wave Analysis of Cascaded Junction Discontinuities of Shielded Coplanar Type Transmission Line Considering the Finite Metallization Thickness Effect

T.-W. Huang and T. Itoh. "Full-Wave Analysis of Cascaded Junction Discontinuities of Shielded Coplanar Type Transmission Line Considering the Finite Metallization Thickness Effect." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 995-998.

A full-wave analysis of cascaded junction discontinuities of coplanar type transmission lines, coplanar waveguide (CPW) and finline, is implemented by mode-matching technique. Results of the frequency dependence and the transition-length dependence of the scattering parameters of the CPW-to-finline transition incorporating the finite metallization thickness effect are presented.

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