

Abstracts

Coplanar Waveguide Discontinuities for P-I-N Diode Switches and Filter Applications

N.I. Dib, P.B. Katehi, G.E. Ponchak and R.N. Simons. "Coplanar Waveguide Discontinuities for P-I-N Diode Switches and Filter Applications." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 399-402.

A full wave space domain integral equation (SDIE) analysis of coplanar waveguide (CPW) two port discontinuities is presented. An experimental setup to measure the S-parameters of such discontinuities is described. Experimental and theoretical results for CPW realizations of pass-band and stop-band filters are presented. The S-parameters of such structures are plotted in the frequency range 5-25 GHz.

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