Abstracts

CPS structure potentialities for MMICs: a CPS/CPW transition and a bias network

D. Prieto, J.C. Cayrout, J.L. Cazaux, T. Parra and J. Graffeuil. "CPS structure potentialities for MMICs: a CPS/CPW transition and a bias network." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. I [MWSYM]): 111-114.

Present paper deals with new applications of coplanar waveguides (CPW) and coplanar strips (CPS) based designs. As examples, a new reversible 50/spl Omega/ CPS/CPW transition and a bias network are reported. The designed circuits show significant improvements over size reduction and measured electrical broadband performances (losses less than 1 dB and reflection better than -10 dB are observed for the transition).

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