

Abstracts

A Broad-Band Coplanar Waveguide to Slotline Transition

T.Q. Ho and S.M. Hart. "A Broad-Band Coplanar Waveguide to Slotline Transition." 1992 *Microwave and Guided Wave Letters* 2.10 (Oct. 1992 [MGWL]): 415-416.

A novel approach for designing a broad-band coplanar waveguide (CPW) to slotline transition is presented. A slotline hollow patch creates open circuit conditions on one arm of the CPW and resonates the transition so that maximum power transfer may occur. Excellent performance is observed over a 5:1 bandwidth.

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