

Abstracts

A New Rectangular Waveguide to Coplanar Waveguide Transition

G.E. Ponchak and R.N. Simons. "A New Rectangular Waveguide to Coplanar Waveguide Transition." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 491-492.

A new rectangular waveguide to coplanar waveguide transition is described. The transition uses a ridge in one of the broad walls of the waveguide and a nonradiating slot in the opposite wall to split and rotate the electromagnetic fields of the rectangular waveguide TE₁₀ mode into the CPW fields.

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