

Abstracts

Efficient CAD of E-Plane Steps in Rectangular Waveguide

M. Mongiardo and T. Rozzi. "Efficient CAD of E-Plane Steps in Rectangular Waveguide." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1175-1178.

Cascaded E-plane steps in waveguide still find a variety of uses in microwave components for power applications and in millimetrics. Wideband synthesis requires efficient field analysis, leading to simple equivalent circuits with frequency independent elements, so as to avoid repeating the field analysis at each frequency. We present the results of an analytical approach in a form suitable for CAD on a desktop computer.

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