

Abstracts

Matched, Dual Mode Square Waveguide Corner

P.K. Park, R.L. Eisenhart and S.E. Bradshaw. "Matched, Dual Mode Square Waveguide Corner." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 155-156.

A design method for matching a square waveguide right angle corner for both E & H-plane (TE₁₀ and TE₀₁ modes) operation is presented. Results show VSWR <1.05 for 1.0 GHz bandwidth at X-Band with mode-to-mode isolation >30 dB.

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