

Abstracts

Directly-Connected Image Guide 3dB Coupler with very Flat Coupling

D.I. Kim, D. Kawabe, K. Araki and Y. Naito. "Directly-Connected Image Guide 3dB Coupler with very Flat Coupling." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 499-501.

Design method of the broadband, compact, and mechanically stable 3dB coupler with very flat coupling are demonstrated using a directly-connected image guide. The experimental results agree reasonably well with the theoretical ones by forming appropriate tapers even at frequencies where higher modes could be excited.

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