

Abstracts

Optimizing the Design of the Six-Port Junction

M.D. Rafal and W.T. Joines. "Optimizing the Design of the Six-Port Junction." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 437-439.

A set of optimum design objectives for the Six-Port technique is derived from an examination of the system equations. The optimization criterion is to minimize the sensitivity of the solution to calibration errors. The resulting set of design specifications gives significant improvement in error cancellation.

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