

Abstracts

Optimization of the Matching Network for a Hybrid Coupler Phase Shifter

J.P. Starski. "Optimization of the Matching Network for a Hybrid Coupler Phase Shifter." 1977 Transactions on Microwave Theory and Techniques 25.8 (Aug. 1977 [T-MTT]): 662-666.

A new theory is presented for how to find the optimum data for a transmission line used as a matching network for a hybrid coupler phase shifter. The theory gives a smaller phase-shift error and a greater bandwidth than already known methods. Two methods for equalization of the diode losses for a hybrid coupler phase shifter are described.

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