

Abstracts

Intrinsic Insertion Loss of a Mismatched Microwave Network

K. Tomiyasu. "Intrinsic Insertion Loss of a Mismatched Microwave Network." 1955 Transactions on Microwave Theory and Techniques 3.1 (Jan. 1955 [T-MTT]): 40-45.

A brief review is presented of the absolute minimum loss of a two-port, mismatched lossy microwave network. This minimum loss, called the "intrinsic insertion loss" can be attained by adding suitable susceptances at the ports that will yield simultaneous bilateral network match. A measurement procedure is described and convenient graphs are presented.

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