

Abstracts

A Useful Theorem for a Lossless Multiport Network (Short Papers)

X. Shi, C. Liang and Y. Han. "A Useful Theorem for a Lossless Multiport Network (Short Papers)." 1995 *Transactions on Microwave Theory and Techniques* 43.3 (Mar. 1995 [T-MTT]): 697-699.

A useful theorem is obtained for a lossless multiport network from the unitary condition of scattering matrix, and is proven to equivalent to the unitary condition. Some illustrations are given to show how to apply the theorem to the analysis of the properties of a lossless n-port network.

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