

Abstracts

On the Inherent Noise of an Ideal Two-Port Isolator (Short Papers)

A.D. Sutherland. "On the Inherent Noise of an Ideal Two-Port Isolator (Short Papers)." 1982 *Transactions on Microwave Theory and Techniques* 30.5 (May 1982 [T-MTT]): 831-832.

The inherent noise of an ideal isolator, predicted by Siegman from a simple thermodynamic argument, is verified by examining in detail the behavior of a common two-port isolator configuration, insofar as its sources of noise are concerned. Siegman's conclusion that any ideal isolator is the equivalent of a terminated three-port circulator is vindicated.

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