Abstracts

Wave Analysis of Noise in Interconnected Multiport Networks

The noise performance of multiport networks of arbitrary topology is treated using wave analysis.This approach has advantages over other methods when using computer-aided design programs that are based on scattering parameters. In this paper we discuss the wave representation of noise in two-ports and passive multiports. We indicate bow to compute the noise performance of an arbitrary network and we demonstrate the effectiveness of this approach with an example.

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