

# Abstracts

## An Improved Solid State Noise Source

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*M. Kanda. "An Improved Solid State Noise Source." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 224-226.*

An improved solid state noise source is discussed. By implementing such modifications as 1) heat sinking of a silicon avalanche noise diode, 2) proper DC RF decoupling, and 3) impedance matching, the stability of the NBS solid state noise source is improved significantly over that of typical commercial solid state noise sources. The paper describes these modifications, how they are implemented, and the resulting improvement in stability.

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