

Abstracts

Requirements for Noise Parameter Measurements in Superconducting Electronic Systems

J.M. O'Callaghan and J.B. Beyer. "Requirements for Noise Parameter Measurements in Superconducting Electronic Systems." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 237-240.

General considerations for the measurement of noise parameters in highly mismatched systems are discussed. In particular, the problem of noise characterization of active superconducting microwave devices is addressed. A measurement technique including an error analysis is presented along with current data for a Superconducting Flux Flow Transistor.

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