

# Abstracts

## **A Technique for Deriving Noise-Parameters of Millimeter-Wave Low-Noise HEMTs and its Application to MMIC LNA Design (1996 [MCS])**

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*H. Yoshinaga, Y. Kashiwabara, B. Abe and K. Shibata. "A Technique for Deriving Noise-Parameters of Millimeter-Wave Low-Noise HEMTs and its Application to MMIC LNA Design (1996 [MCS])." 1996 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 98. (1996 [MCS]): 149-152.*

An on-wafer tuning method has been applied to derive noise parameters of pseudomorphic HEMTs measured at W-band and K-band. As an application of the method, a K-band MMIC LNA with 1.6 dB NF and greater than 32 dB gain has been successfully developed.

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