

# Abstracts

## Anomalous Noise in Schottky Diode Mixers at Millimeter Wavelengths

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A.R. Kerr. "Anomalous Noise in Schottky Diode Mixers at Millimeter Wavelengths." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 318-320.

Measurements on state-of-the-art 85 GHz mixers using GaAs Schottky-barrier diodes give high values of noise temperature ratio (~1.3) and loss temperature (~500°K) despite low conversion loss (~5dB SSB) and input noise temperature (~600°K SSB). The source of this noise has not yet been identified.

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