

Millimeter-Wave Noise Parameters of High Performance HEMT's at 300 K and 17 K

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Measurements at 43 GHz of the four noise parameters of very low-noise HEMT's fabricated at several laboratories are reported. The measurements are facilitated by tunable waveguide-to-microstrip transitions which present known, variable generator and load impedances to the device under test and are operable over a wide range of temperature.

 [Return to main document.](#)