

Abstracts

Q-Dependence of Gunn Oscillator FM Noise (Short Papers)

H. Herbst and A. Ataman. "Q-Dependence of Gunn Oscillator FM Noise (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.2 (Feb. 1973 [T-MTT]): 114-115.

Measurements of FM noise and the external quality factor Q_{ex} of X-band Gunn oscillators are reported which show that both unconverted and intrinsic FM noise vary inversely as Q_{ex} , if bias voltage, RF power, and frequency are kept constant.

 [Return to main document.](#)