Abstracts

Low Phase Now Oscillator with Flicker (1/f) Noise Suppression Circuit

L.D. Cohen. "Low Phase Now Oscillator with Flicker (1/f) Noise Suppression Circuit." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 1081-1084.

Oscillator pushing (frequency change with bias voltage) is a controlling factor in 1/f noise generation in a Gunn diode. Suppression of 1/f noise in the output spectrum of a Gunn oscillator has been demonstrated at 10 GHz with a unique oscillator circuit that provides for zero oscillator pushing. Application areas include communication systems and Doppler radar.

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