

Abstracts

A Doppler Radar Using a Gunn Diode Both as a Transmitter Oscillator and a Receiver Mixer

S. Nagano and Y. Akaiwa. "A Doppler Radar Using a Gunn Diode Both as a Transmitter Oscillator and a Receiver Mixer." 1971 G-MTT International Microwave Symposium Digest of Technical Papers 71.1 (1971 [MWSYM]): 172-173.

A simple and low cost doppler radar can be constructed by using a Gunn diode both as a transmitter oscillator and a receiver mixer. The radar has neither a mixer diode nor a circulator. This paper presents analytical and experimental results of the doppler radar. A burglar alarm using the radar has been developed.

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