# Abstracts

## Short-Range Microstrip Doppler Radar Sensor Using a BARITT Diode

*B.M. Armstrong, R. Brown, E.J. Duffin and J.A.C. Stewart. "Short-Range Microstrip Doppler Radar Sensor Using a BARITT Diode." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 501-503.*

In some short-range radars, the range and velocity of a moving target are required, in addition to target speed. A short-range radar (30 m) is described, which, by combining the diplex mode of operation with the use of a BARITT diode as a self-oscillating mixer in a microstrip circuit, provides the required information with a very simple microwave sensor.

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