

# Abstracts

## Millimeter-Wave Microstrip Amplifier Using Indium Phosphide Gunn Diodes

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*D. Rubin. "Millimeter-Wave Microstrip Amplifier Using Indium Phosphide Gunn Diodes." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 67-69.*

Using small signal data obtained from coaxially mounted low noise Indium Phosphide amplifier diodes, computer optimization has led to a measured reflection stage gain of 4 dB over 28.5 to 38.5 GHz. Higher gain, more narrow band circuits were also derived analytically, and some preliminary results have been obtained with hybrid coupled microstrip amplifiers.

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