

# Abstracts

## Wide-Bandwidth Millimeter-Wave Gunn Amplifier in Reduced-Height Waveguide (Short Papers)

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*D. Rubin. "Wide-Bandwidth Millimeter-Wave Gunn Amplifier in Reduced-Height Waveguide (Short Papers)." 1975 Transactions on Microwave Theory and Techniques 23.10 (Oct. 1975 [T-MTT]): 833-834.*

A Ka-band millimeter-wave Gunn-amplifier structure with 15-GHz gain  $\supseteq$   $\frac{1}{2}$  -bandwidth product has been fabricated in reduced-height waveguide. Measurements were taken of the terminal admittance of the diode and its mount and used in the computer optimization of impedance matching transformer sections.

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