

# Abstracts

## A 7-Gc/s Narrow-Band Waveguide Switch Using p-i-n Junction Diodes

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*H.J. Peppiatt, A.V. McDaniel, Jr. and J.B. Linker, Jr.. "A 7-Gc/s Narrow-Band Waveguide Switch Using p-i-n Junction Diodes." 1965 Transactions on Microwave Theory and Techniques 13.1 (Jan. 1965 [T-MTT]): 44-47.*

A narrow-band waveguide switch with power capability in excess of 8 watts has been designed in WR137 waveguide. j-i-n diodes are used in band elimination filter sections. the attenuation in the reject band is greater than 80 dB over a 10 Mc/s range, and the passband loss is less than 0.5 dB.

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