

Abstracts

Monolithic MBE GaAs Pin Diode Limiter

D.J. Seymour, D.D. Heston and R.E. Lehmann. "Monolithic MBE GaAs Pin Diode Limiter." 1987 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 87.1 (1987 [MCS]): 35-37.

A broadband MBE GaAs PIN/NIP diode limiter has demonstrated 15 dB of isolation with a +32.5 dBm input signal while maintaining less than 0.25 dB of small-signal insertion loss from 0.05 GHz to 14 GHz. These results were obtained by incorporating vertical GaAs PIN/NIP diodes in a shunt-loaded microstrip configuration.

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