

Abstracts

A Limiter for High-Power Millimeter-Wave Systems (Short Papers)

A.L. Armstrong and Y. Anand. "A Limiter for High-Power Millimeter-Wave Systems (Short Papers)." 1983 *Transactions on Microwave Theory and Techniques* 31.2 (Feb. 1983 [T-MTT] (Special Issue on Millimeter-Waves)): 238-241.

A high-power limiter for use in millimeter-wave systems has been designed and demonstrated. The RF control is provided by an array of p-i-n diodes fabricated into the surface of a high-resistivity silicon window. Orientation-dependent etching of the silicon is used to build diodes with parallel injection surfaces. The window is mounted into the waveguide using a metal membrane which simplifies construction and lowers cost.

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