

Abstracts

Transient Response of PIN Limiter Diodes

R.J. Tan, A.L. Ward and R. Kaul. "Transient Response of PIN Limiter Diodes." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1303-1306.

Results of experimental and theoretical studies have determined which physical parameters of PIN diode junctions control their dynamic responses as limiters to fast risetime microwave pulses. Both rf and dc dynamic impedance measurements were made and compared, with good agreement, to theoretical calculations which model both the junction and intrinsic regions of the PIN diode.

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