

## Calculated and Measured Silicon PIN Limiter Short-Pulse Damage Thresholds

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*A.L. Ward, R.J. Tan and R. Kaul. "Calculated and Measured Silicon PIN Limiter Short-Pulse Damage Thresholds." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 761-764.*

Limiters, used to protect sensitive electronics from high levels of rf radiation, are themselves subject to damage. A combined theoretical and experimental study has been made of damage thresholds of silicon PIN limiters with intrinsic region widths of 0.5 to 10  $\mu\text{m}$ , using frequencies from 1.5 to 9.4 GHz and pulse lengths from 10 to 1000 ns.

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