

Computer modeling of bistability effect in p-i-n diode limiter characteristic

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The bistability effect noted in p-i-n diode limiters has been studied using a computer simulation based on the one-dimensional drift-diffusion model (DDM). Computed results for silicon p-i-n diodes with different base width are shown. Frequency properties of the bistability effect were studied. Also the comparison between theoretical and experimental results is shown.

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