

Abstracts

An Electron-Bombarded Semiconductor (EBS) Modulator and Switch Driver

T.O. Perkins, III. "An Electron-Bombarded Semiconductor (EBS) Modulator and Switch Driver." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 446-448.

High power PIN diodes hot switching control devices require large amplitude, fast risetime, forward bias current and reverse bias voltage pulse commands. Performance exceeding that available from present state-of-the-art binary state transistor drivers is highly desirable. This paper describes use of an Electron-Bombarded Semiconductor permitting faster and more reliable microwave high power switching.

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