

Abstracts

Picosecond Pulse Sequential Waveform Generation

H.M. Cronson. "Picosecond Pulse Sequential Waveform Generation." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 185-186.

This paper describes a novel method of generating a pulse sequence using step-recovery diodes shunting a transmission line. Individual pulses in the train may have risetimes less than 60 ps with amplitudes greater than 10 V. The many potential applications of the device include a short RF pulse generator, an FM generator, and a high-speed word generator.

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