

Abstracts

Picosecond-Pulse Sequential Waveform Generation (Short Papers)

H.M. Cronson. "Picosecond-Pulse Sequential Waveform Generation (Short Papers)." 1975 *Transactions on Microwave Theory and Techniques* 23.12 (Dec. 1975 [T-MTT] (1975 Symposium Issue)): 1048-1049.

This short paper describes a novel method of generating a pulse sequence using step-recovery diodes (SRDs) shunting a transmission line. Individual pulses in the train may have rise times 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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