

Abstracts

Multiplexing- and Demultiplexing-Techniques with Gunn Devices in the Gbit/s Range

K. Mause. "Multiplexing- and Demultiplexing-Techniques with Gunn Devices in the Gbit/s Range." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 166-168.

In this paper a circuit is described which can process signals in the Gbit/s range for a fast PCM technique. A shift register with Gunn devices monolithically integrated on GaAs is used. A 4-stage arrangement is described. Experimental results for a bitrate of 1.8 Gbit/s are reported.

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