Abstracts

Optoelectronic Techniques for Microwave and Millimeter-Wave Applications

C.H. Lee, M.G. Li, C.S. Chang, A.M. Yurek, M.J. Rhee, E. Chauchard, R.P. Fischer, A. Rosen and H. Davis. "Optoelectronic Techniques for Microwave and Millimeter-Wave Applications." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 178-181.

Three different experiments using optoelectronic techniques are reported. They are: (1) kilovolt sequential waveform generation by picosecond optoelectronic switching, (2) Direct DC to RF conversion by impulse excitations of a resonant cavity, and (3) high speed optoelectronic modulation of millimeter-waves in a silicon-on-sapphire waveguide.

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