Abstracts

Generation of Kilowatt/Kilovolt Broadband Micowave Bursts with a Single Picosecond Photoconductive Switch

H.A. Sayadian, M.G. Li and C.H. Lee. "Generation of Kilowatt/Kilovolt Broadband Micowave Bursts with a Single Picosecond Photoconductive Switch." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 649-652.

A single picosecond GaAs photoconductive switch is used to pulse excite a microwave resonant cavity, generating various microwave waveforms. The generation of over 7 kW, with peak to peak voltage over 1.2 kV, of broadband microwave bursts is demonstrated.

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