Abstracts

A DC Triggered High-Speed High-Power Microwave Spark Gap Switch (1964 [MWSYM])

H. Farber, M. Klinger, M. Sucher and E. Malloy. "A DC Triggered High-Speed High-Power Microwave Spark Gap Switch (1964 [MWSYM])." 1964 PTGMTT International Symposium Program and Digest 64.1 (1964 [MWSYM]): 127-132.

A previously reported high-speed microwave spark gap switch is triggered with a flash of intense ultraviolet light, but requires the applied rf power level to be close to the self-breakdown value of the gap. For this reason, the reliable use of the u-v triggered switch is restricted to rf pulse widths which are less than the formative time for an rf discharge (0.25-0.50 microseconds).

❑ Return to main document.