

Abstracts

[A DC Triggered High-Speed High-Power Microwave Spark Gap Switch \(Jan. 1965 \[T-MTT\]\)](#)

H. Farber, M. Klinger, M. Sucher and E. Malloy. "A DC Triggered High-Speed High-Power Microwave Spark Gap Switch (Jan. 1965 [T-MTT])." 1965 Transactions on Microwave Theory and Techniques 13.1 (Jan. 1965 [T-MTT]): 28-32.

Operation of a microwave spark gap switch triggered with a short high-voltage pulse is described. C-band power of 1 MW peak and 4 μ s pulse width was switched in less than 10 ns at 100 pps with less than 0.3 dB arc loss in air at atmospheric pressure. Use in a cavity resonator to give an efficient pulse compression circuit is described. Switch recovery and turn off data are given.

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