

Abstracts

A Spark-Gap Switch for Oversize Rectangular Waveguides (Correspondence)

J.P. Quine, C. Younger, L. Tonks and E.H. Holt. "A Spark-Gap Switch for Oversize Rectangular Waveguides (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.11 (Nov. 1968 [T-MTT]): 952-955.

A spark-gap switch is described for the TE/sub 10/ mode in oversize rectangular waveguides having both cross-sectional dimensions approximately two free-space wavelengths. A symmetrical array of eight dc-triggered spark gaps was employed to suppress all higher-order propagating modes except the TE/sub 30/ mode. Techniques for suppressing the TE/sub 30/ mode are also described.

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