

Abstracts

Filters for High-Speed Diode Modulators and Demodulators

R.V. Garver and T.H. Mak. "Filters for High-Speed Diode Modulators and Demodulators." 1967 Transactions on Microwave Theory and Techniques 15.7 (Jul. 1967 [T-MTT]): 390-397.

The relationship between switching time, transient suppression, and filter complexity is derived for filter-type diode switches, along with the theoretical minimum switching time. Design criteria are developed for high-speed switches and detectors in waveguide and TEM transmission lines.

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