

Abstracts

A Review of Device Technology for Programmable Surface-Wave Filters

E.J. Staples and L.T. Claiborne. "A Review of Device Technology for Programmable Surface-Wave Filters." 1973 Transactions on Microwave Theory and Techniques 21.4 (Apr. 1973 [T-MTT] (Special Issue on Microwave Acoustic Signal Processing)): 279-287.

A review of programmable surface acoustic wave filters is presented. The elementary theory, fabrication procedures, and device performance are described in light of recent technological advances. Both hybrid and monolithic structures are considered. The relative advantages of programming techniques which utilize diode switching are compared to those that make use of solid-state, three-terminal, and acoustic wave detectors.

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