

Abstracts

Commercial Application of a Surface Wave Television IF Filter

R.L. Miller and A.J. DeVries. "Commercial Application of a Surface Wave Television IF Filter." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 318-320.

An acoustic surface wave filter is ideally suited to form the selectivity block in a color T.V. IF. The paper discusses, in some detail, the requirements for the frequency response of a T.V. IF and compares those to the results obtained by means of a surface wave filter. The configuration of the surface wave filter is shown and the fabrication method, very similar to that of integrated circuits, is described. The electrical properties are compared to properties of standard IF's. The initial reaction of television engineers is favorable; the filter described is a first generation commercial device and further improvements can be expected.

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