

# Abstracts

## Synthesis of Periodic Apodized SAW Filters in the Presence of Diffraction

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A.J. Slobodnik, Jr. and T.L. Szabo. "Synthesis of Periodic Apodized SAW Filters in the Presence of Diffraction." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 247-249.

Straightforward analytic synthesis techniques are derived for correcting for diffraction in periodic acoustic surface wave filters having one apodized transducer. Quantitative experimental verification of the procedure is provided for a LiTaO<sub>3</sub> filter operating at 340 MHz.

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