

Abstracts

Shallow Bulk Acoustic Wave Progress and Prospects

A. Ballato and T.J. Lukaszek. "Shallow Bulk Acoustic Wave Progress and Prospects." 1979 Transactions on Microwave Theory and Techniques 27.12 (Dec. 1979 [T-MTT] (1979 Symposium Issue)): 1004-1012.

Shallow bulk acoustic wave propagation in piezoelectric crystals is reviewed from the standpoint of work reported to date. It is compared to bulk and surface acoustic waves as to properties and device potential. Singly and doubly rotated cuts are considered, as are piezoelectric transduction energy trapping, equivalent networks, as well as areas of future work such as new materials other than quartz, and nonlinear effects.

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