

# Abstracts

## Advances in Microwave Acoustic Frequency Sources

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*E.A. Gerber, T. Lukaszek and A. Ballato. "Advances in Microwave Acoustic Frequency Sources." 1986 Transactions on Microwave Theory and Techniques 34.10 (Oct. 1986 [T-MTT] (Special Issue on New and Future Applications of Microwave Systems)): 1002-1016.*

This paper reviews the principal advances with microwave frequency sources that use mechanical vibrations and waves in their frequency-controlling elements. Specifically, the review discusses the direction microwave acoustic technology has taken in the utilization of bulk acoustic-wave (BAW), surface acoustic-wave (SAW), shallow bulk acoustic wave (SBAW), thin-film membrane, and composite structures to generate stable microwave frequency sources in the range from 100 MHz to 1 GHz and above.

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