Abstracts

Acoustic-Surface-Wave Resonators for Band-Pass Filter Applications

G.L. Matthaei, F. Barman and E.B. Savage. "Acoustic-Surface-Wave Resonators for Band-Pass Filter Applications." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 283-285.

Acoustic-surface wave resonators provide a possibility for obtaining very small, high-Q resonators for frequencies up into the low microwave range. A surface-wave resonator consists of two arrays of reflectors with one or two interdigital transducers in between, fabricated on the surface of a piezoelectric substrate. The two transducer form of these resonators is particularly attractive for band-pass filter applications.

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