

Abstracts

Acoustic Surface Wave Analog Filters

C.S. Hartmann. "Acoustic Surface Wave Analog Filters." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 84-86.

While the basic principles of surface wave device operation have been described previously, this paper describes the unification of this modeling information into a design synthesis procedure. Also, the excellent performance of the resulting devices is discussed. Emphasis is given to bandpass filters. The major advantages of acoustic surface wave filters are small size, low cost, reproducibility, wide dynamic range, high Q, great design flexibility, good temperature stability, and a center frequency range which extends from HF to L-band.

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