

Abstracts

Composite Fan-Shaped SAW Transdusers

E.V. Bausk and I.B. Yakovkin. "Composite Fan-Shaped SAW Transdusers." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1681-1684.

In a proposed surface acoustic wave (SAW) filter construction a signal processing is carried out in two parallel acoustic channels. Due to a slanted configuration of fan-shaped interdigital transducers, a delay time difference between two components of the output signal depends on a signal frequency, while a filter delay time is constant. This offers 7-10 dB improvement of an stopband rejection without any frequency response flatness deterioration in the filter passband.

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