ABSTRACT OF THE DISCLOSURE

An edge reflection type surface acoustic wave filter includes a piezoelectric substrate having two opposing edges and at least one interdigital transducer. The interdigital transducer includes split electrodes of paired electrode fingers arranged on the piezoelectric substrate such that a shear horizontal (SH-type) surface acoustic wave is excited on the piezoelectric substrate and is reflected between the two opposing edges. Each of the edges is preferably located at a distance of at least about $\lambda/2 - 5\lambda/128$ from a center of the paired equipotential electrode fingers, located at the respective outermost portions, in the surface acoustic wave propagation direction, of the interdigital transducer and less than about $\lambda/2$ from the center of the paired equipotential electrode fingers, where λ is a wavelength of the SH-type surface acoustic wave excited on the piezoelectric substrate.

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