EDGE REFLECTION TYPE SURFACE ACOUSTIC WAVE DEVICE

ABSTRACT OF THE DISCLOSURE

An edge reflection type surface acoustic wave device utilizes a Shear Horizontal type surface acoustic wave and includes a surface acoustic wave substrate, and at least two interdigital transducers provided on one main surface of the surface acoustic wave substrate. First and second grooves are formed on the opposite ends in the surface acoustic wave propagation direction of the area where the interdigital transducer is provided. The first and second grooves extend from the one main surface of the surface acoustic wave substrate toward the other main surface thereof without reaching the other main surface. The grooves extend substantially perpendicularly to the surface acoustic wave propagation direction so as to define first and second edges for reflecting the surface acoustic wave. The first and second edges are defined by the inner side-walls of the first and second grooves, respectively.

FIGURE. 1

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