MULTI-MODE SURFACE ACOUSTIC WAVE FILTER DEVICE AND DUPLEXER

ABSTRACT OF THE DISCLOSURE

A multi-mode surface acoustic wave filter device includes: a piezoelectric substrate; at least one input IDT (interdigital transducer) and at least one output IDT that are formed on the piezoelectric substrate; reflectors that are formed on the piezoelectric substrate and arranged on the external sides of the input IDT and the output IDT; an input terminal that supplies input signals to the input IDT; and an output terminal that receives output signals from the output IDT. In this multi-mode surface acoustic wave filter, the input terminal and the output terminal extend in the same direction.

Figure 3