

ABSTRACT

FILTER AND DUPLEXER

A filter includes: a coupled multi-mode acoustic wave filter connected between an input terminal and an output terminal; a first inductor connected between the coupled multi-mode acoustic wave filter and a ground terminal; an acoustic wave resonator, one end of which is connected between the input terminal or the output terminal and the coupled multi-mode acoustic wave filter; and a second inductor connected between another end of the acoustic wave resonator and the ground terminal.

FIG. 2A