

ABSTRACT

FILTER, DUPLEXER, AND COMMUNICATION MODULE

A filter includes: acoustic wave resonators connected between an input terminal and an output terminal; and a cancel circuit including an input connection portion and an output connection portion connected so that the cancel circuit is connected in parallel to at least a part of the acoustic wave resonators, wherein the cancel circuit includes a first acoustic wave resonator connected between a node between the input connection portion and the output connection portion and a ground.

FIG. 10A