

ABSTRACT

A duplexer includes two surface acoustic wave filter having different band center frequencies, and a
5 phase matching circuit that matches the phases of the
two surface acoustic wave filters to each other. In
this duplexer, one of the two surface acoustic wave
filters is a ladder type surface acoustic wave filter,
while the other one of the two surface acoustic wave
10 filters includes two or more dual-mode type surface
acoustic wave filters that are connected in parallel.



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