

ABSTRACT

An assignment to be solved is to provide a substrate for surface acoustic wave element, the substrate exhibiting a high thermal conductivity.

A substrate for surface acoustic wave element according to the present invention includes: a magnesium/lithium niobate single crystal in which an atomic ratio between Li and Nb satisfies $0.9048 \leq (\text{Li/Nb}) \leq 0.9685$, and whose Mg content proportion is from 1% by mole or more to 9% by mole or less; or a magnesium/lithium tantalate single crystal in which an atomic ratio between Li and Ta satisfies $0.9048 \leq (\text{Li/Ta}) \leq 0.9685$, and whose Mg content proportion is from 1% by mole or more to 9% by mole or less.

[No suitable figure]