ABSTRACT OF THE DISCLOSURE

A surface acoustic wave device includes an asymmetrical double electrode which prevents a mismatch between reflected waves and propagating surface acoustic waves on strips, and which is capable of realizing a superior unidirectionality. This surface acoustic wave device includes the asymmetrical double electrode in which a half wavelength section includes first and second strips which have mutually different widths. The half wavelength is arranged to define a basic section. The surface acoustic wave device includes at least two of these basic sections disposed on a piezoelectric substrate. The absolute value of the vector angle of the reflection center is within approximately 45 ± 10° or within approximately 135 ± 10°, when the center of the basic section is the reference position. Alternatively, the absolute value of the phase difference between the excitation center and the reflection center is within approximately 45 ± 10° or approximately 135 ± 10°.

This Sheet Has Been Replaced

