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ABSTRACT OF THE DISCLOSURE

A surface wave resonator suitable for use in the frequency band range of about 70 to 200 MHz has a wide frequency band characteristic. The resonator is a free edge reflective-type surface wave resonator having a pair of comb-like electrode formed on the upper surface of a piezoelectric substrate made of 41° Y-cut X propagating piezoelectric single crystals of $LiNbO_3$, wherein SH-type leaky waves are reflected between two opposing free edges of the resonator.

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