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ABSTRACT OF THE DISCLOSURE

A piezoelectric resonator has oscillating electrodes ~~on~~ both disposed on opposite major surfaces of a piezoelectric substrate, which oscillating electrodes are ~~formed~~ arranged so as to extend from ~~the~~ respective ~~opposed~~ opposite ends of the piezoelectric substrate to ~~the width-directional~~ a central portion of the piezoelectric substrate so that the ~~substrate-width-directional~~ central portions of the oscillating electrodes overlap with each other, with the oscillating substrate sandwiched between the oscillating electrodes. Oscillation buffer materials are ~~formed~~ disposed on ~~the~~ portions of ~~both-opposed~~ the opposite major surfaces of the piezoelectric substrate, which portions are displaced by the third harmonic oscillation having a frequency which is substantially equal to about three times ~~that of the~~ resonance frequency of the piezoelectric substrate.