

ABSTRACT OF THE DISCLOSURE

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The present invention is to provide a piezoelectric ceramic composition containing a lead titanate, having an excellent temperature stability of the resonance frequency, suitable for the application in a filter, a vibrator, or the like, and a piezoelectric element using the piezoelectric ceramic composition. A piezoelectric substrate comprising a ceramic material containing PbTiO_3 is provided with vibrating electrodes on the front and rear surfaces. The ceramic material containing PbTiO_3 contains not less than 0.1% by weight but not more than 3.0% by weight of Mn based on MnCO_3 as the sub component in the main component having a composition satisfying $0.02 \leq x \leq 0.16$ and $0.15 \leq y \leq 0.50$ of the general formula $\text{Pb}_{1-1.5x}\text{Nd}_x[(\text{In}_{1/2}\text{Nb}_{1/2})_y\text{Ti}_{1-y}]\text{O}_3$.

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