

ABSTRACT

LEAD-FREE PIEZOELECTRIC COMPOSITION AND PIEZOELECTRIC ELEMENT

5 [Means for Solution]

The lead-free piezoelectric composition of the present invention has a primary phase containing an alkali niobate perovskite-type oxide and a secondary phase containing an Mn-Ti-O oxide. The Mn-Ti-O oxide contained in the secondary phase has a maximum grain size of 35 μm or smaller and a number-basis 80% cumulative particle size (D80) of 32 μm or smaller.

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Figure 1