

ABSTRACT

DIELECTRIC CERAMIC COMPOSITION AND CERAMIC CAPACITOR

The ceramic capacitor in accordance with the present invention is fabricated by employing a dielectric ceramic composition in forming dielectric layers thereof, wherein
5 the dielectric ceramic composition contains an oxide of Ba and Ti, an oxide of Re (Re used herein represents one or more rare-earth elements selected from Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Tb and Y), an oxide of Mg, one or more oxides
10 selected from oxides of Mn, V and Cr, an oxide of Mo and/or W and SiO₂ or a glass component including SiO₂, wherein the amount of the oxide of Ba and Ti is 100 mol% in terms of BaTiO₃, the amount of the oxide of Re is 0.25 to 1.5 mol% in terms of Re₂O₃, the amount of the oxide of Mg is 0.2 to 1.5
15 mol% in terms of MgO and the amount of one or more oxides of Mn, V or Cr is 0.03 to 0.6 mol% in terms of Mn₂O₃, V₂O₅, Cr₂O₃, respectively, and the amount of the oxide of Mo and/or W is 0.025 to 0.25 mol% in terms of MoO₃ and WO₃.

FIG. 1