

ABSTRACT OF THE DISCLOSURE

A dielectric ceramics composition composed mainly of lead magnesium-niobate $[\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3]$, strontium titanate $[\text{SrTiO}_3]$, and lead titanate $[\text{PbTiO}_3]$, characterized in that the molar ratio of said three major components is defined by $[\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3]_x \cdot [\text{SrTiO}_3]_y \cdot [\text{PbTiO}_3]_z$

(where $x + y + z = 100$ parts by mole, and each value of x , y , and z is on lines or within the area enclosed by lines passing through four points A (72, 10, 18), B (76, 5, 19), C (57, 5, 38), and D (48, 20, 32) in triangular coordinates),

and said three major components are supplemented by $(\text{Pb}_{1-x}\text{Ba}_x)(\text{Cu}_{1/2}\text{W}_{1/2})\text{O}_3$ (where $0 \leq x \leq 1$) in an amount less than 5 parts by mole (excluding 0 part by mole) for 100 parts by mole of said major components.

This dielectric ceramic composition can be sintered at low temperatures and has a high permittivity and a high mechanical strength.

This Sheet Has Been Replaced

