
No. 1C-c21 (Pb,Ca)[(M,Nb)Ti]O₃ (M = Mg, Fe)

5 Dielectric properties: Fig. 1C-c21-001.

a Dielectric constant and Q value: Fig. 1C-c21-002.

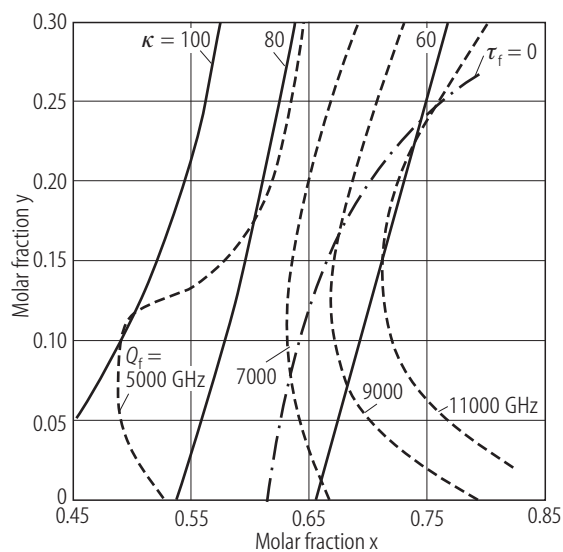


Fig. 1C-c21-001. $(\text{Pb}_{1-x}\text{Ca}_x)\{(\text{Mg}_{1/3}\text{Nb}_{2/3})_{1-y}\text{Ti}_y\}\text{O}_3$ (ceramics). κ , Q_f , τ_f vs. x , y at microwave frequencies [93Kag]. Q_f : product of Q value and frequency. τ_f : temperature coefficient of resonant frequency.

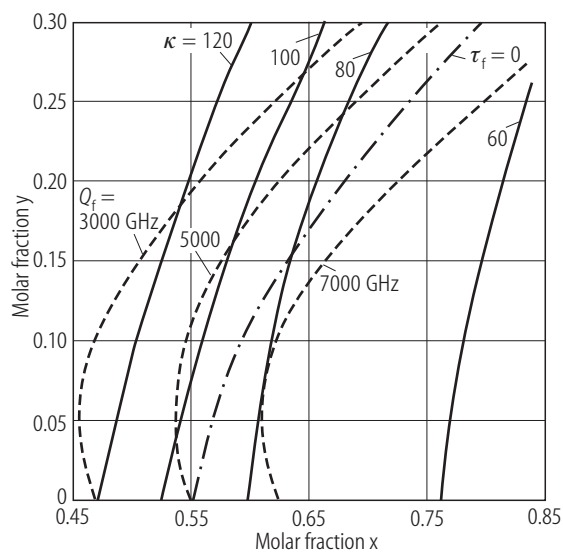


Fig. 1C-c21-002. $(\text{Pb}_{1-x}\text{Ca}_x)\{(\text{Fe}_{1/2}\text{Nb}_{1/2})_{1-y}\text{Ti}_y\}\text{O}_3$ (ceramics). κ , Q , τ_f vs. x , y at microwave frequencies [93Kag]. Q_f : product of Q value and frequency. τ_f : temperature coefficient of resonant frequency.

Reference

93Kag Kagata, H., Kato, J., Nishimoto, K., Inoue, T.: Jpn. J. Appl. Phys. **32** (1993) 4332.