
No. 1C-a13 $\text{NaNbO}_3\text{--SrNb}_2\text{O}_6$

1b Phase diagram: Fig. 1C-a13-001.

3a Lattice parameters: see

66Ten

5a Dielectric constant: Fig. 1C-a13-002.

7a Piezoelectricity: Fig. 1C-a13-003.

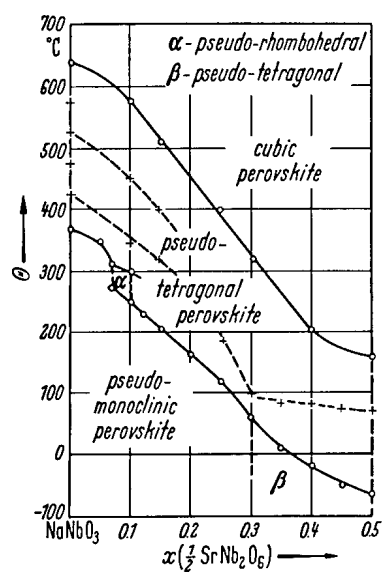


Fig. 1C-a13-001. $(\text{Na}_{1-x}\text{Sr}_{x/2})\text{NbO}_3$. Θ vs. x [66Ten].

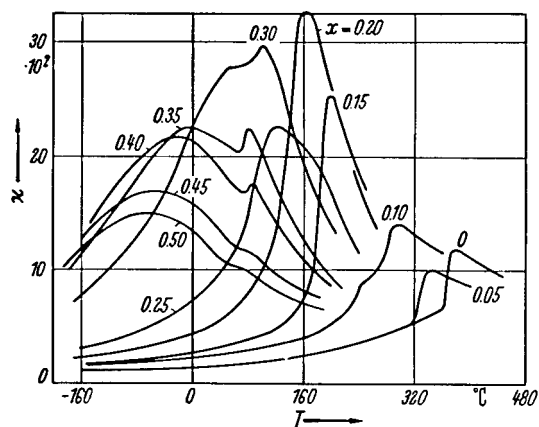


Fig. 1C-a13-002. $(\text{Na}_{1-x}\text{Sr}_{x/2})\text{NbO}_3$ (ceramics). κ vs. T [66Ten]. Parameter: $x \cdot f$ (1 kHz...1MHz); depending on the temperature at which the high-temperature transitions occur.

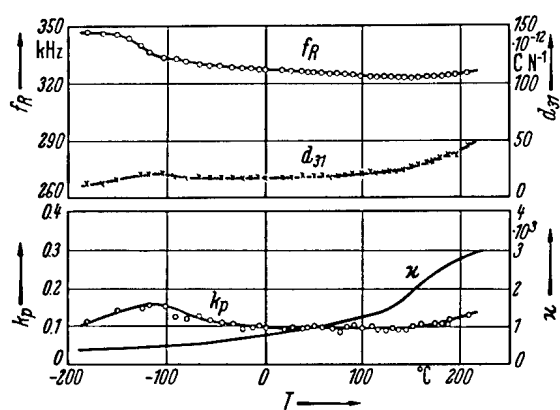


Fig. 1C-a13-003. $(\text{Na}_{0.75}\text{Sr}_{0.25})\text{NbO}_3$ (ceramics). κ , f_R , k_p , d_{31} vs. T [59Isu].

References

- 59Isu Isupov, V.A., Kosyakov, V.I.: Fiz. Tverd. Tela **1** (1959) 929; Sov. Phys. Solid State (English Transl.) **1** (1959) 849.
- 66Ten Tennery, V.J.: J. Am. Ceram. Soc. **49** (1966) 376.