
No. 2B-15 Li₂O–Ta₂O₅–MO₂ (M = Ti, Zr, Sn)

1b	Phase relation: see Table 2B-4-001 in No. 2B-4. Θ_f : see Table 2B-4-001 in No. 2B-4; Fig. 2B-15-001, Fig. 2B-15-002. Ti, Zr, Sn doping: see	84Elo 87Elo
3a	Unit cell parameters: Fig. 2B-15-003, Fig. 2B-15-004.	
5a	Dielectric constant: Figs. 2B-15-005...2B-15-008.	

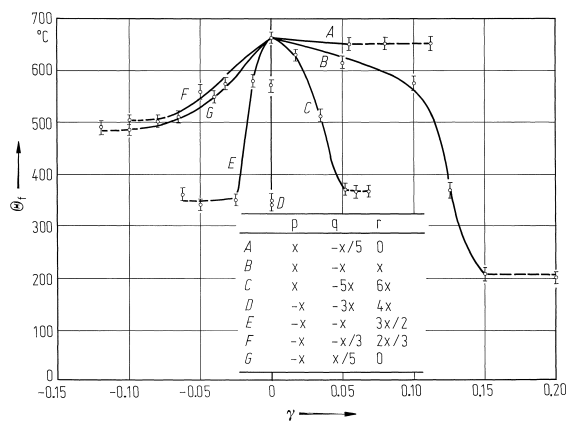


Fig. 2B-15-001. $\text{Li}_{1+p}\text{Ta}_{1+q}\text{Ti}_r\text{O}_3$. Θ_f vs. γ [81Elo]. γ : stoichiometry deviation given by $p + q + r$. Parameter: composition.

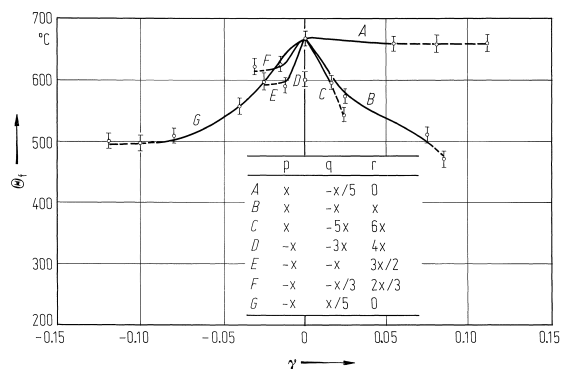


Fig. 2B-15-002. $\text{Li}_{1+p}\text{Ta}_{1+q}\text{Sn}_r\text{O}_3$. Θ_f vs. γ [86Elo]. γ : stoichiometry deviation given by $p + q + r$. Parameter: composition.

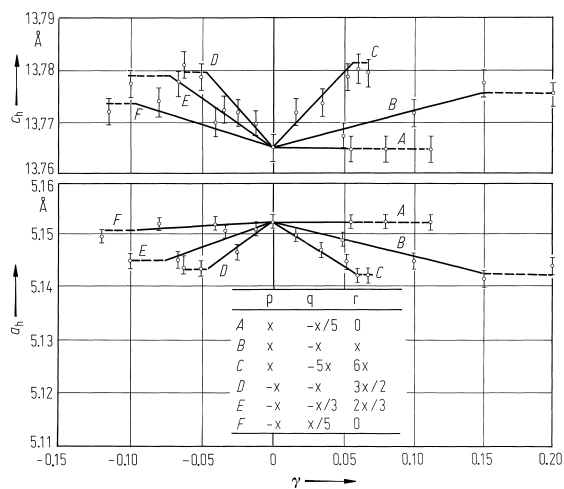


Fig. 2B-15-003. Li_{1+p}Ta_{1+q}TiO₃. Unit cell parameters vs. γ [81Elo]. γ : stoichiometry deviation given by $p + q + r$. Parameter: composition.

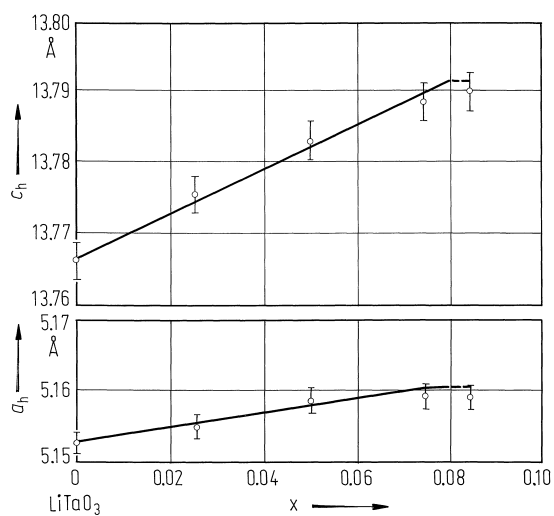


Fig. 2B-15-004. $\text{Li}_{1+x}\text{Ta}_{1-x}\text{Sn}_x\text{O}_3$. Unit cell parameters vs. x [86Elo].

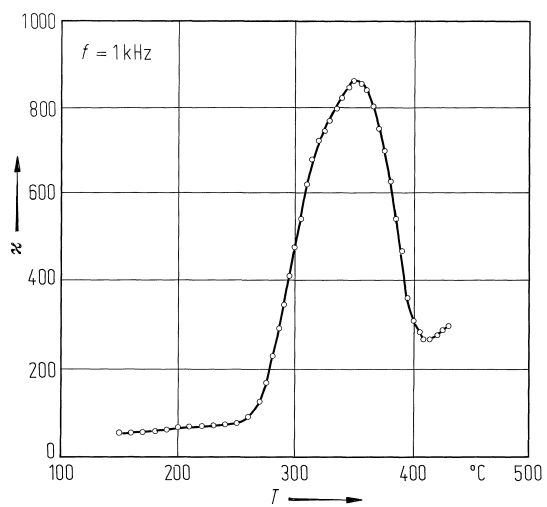


Fig. 2B-15-005. $\text{Li}_{0.90}\text{Ta}_{0.70}\text{Ti}_{0.40}\text{O}_3$ (ceramics). κ vs. T [81Elo]. $f = 1 \text{ kHz}$.

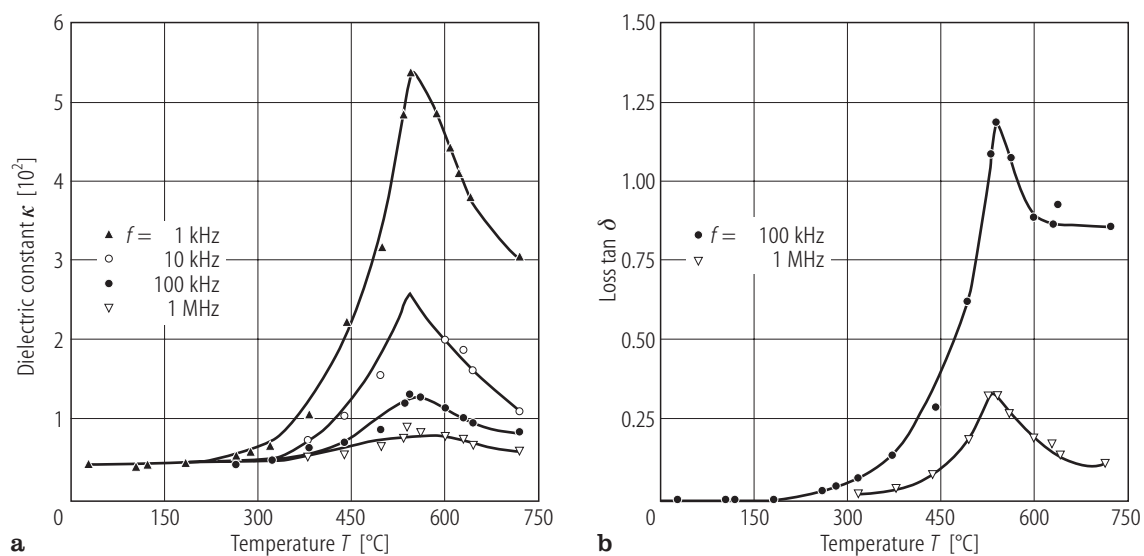


Fig. 2B-15-006. LiTaO₃:TiO₂ (10%) (ceramics). κ , $\tan \delta$ vs. T [91Chi]. Parameter: f .

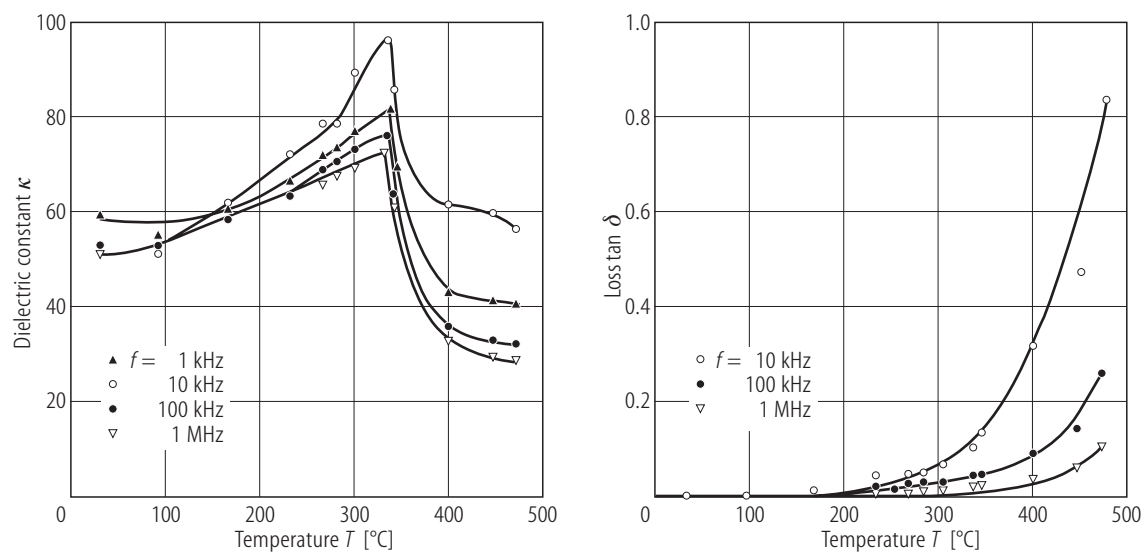


Fig. 2B-15-007. LiTaO₃:TiO₂ (20%) (ceramics). κ , $\tan \delta$ vs. T [91Chi]. Parameter: f .

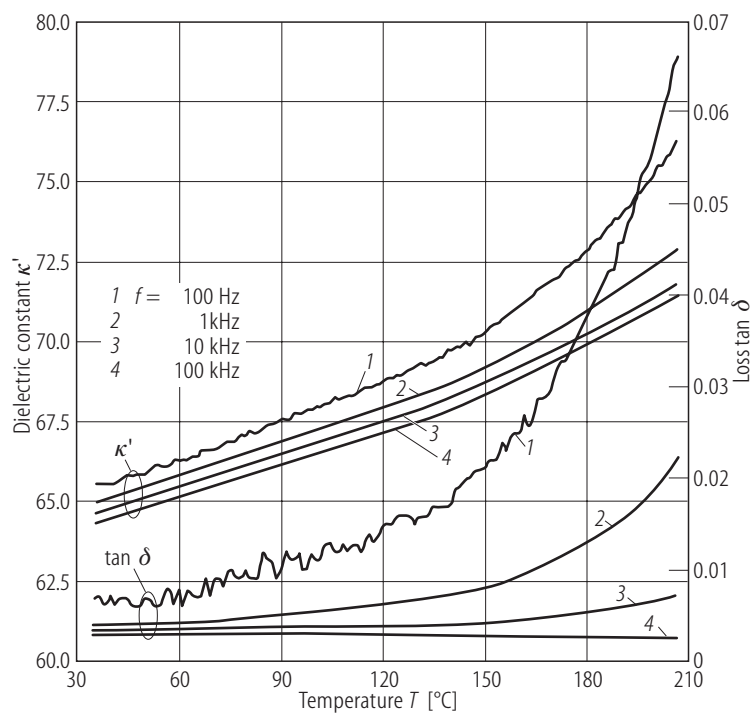


Fig. 2B-15-008. Li_{0.91}Ta_{0.73}Ti_{0.36}O₃. (ceramics). κ' , $\tan \delta$ vs. T [87Deb]. Parameter: f .

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