No. 1C-b92 $Pb(Sc_{1/2}Nb_{1/2})O_3$–$Pb(Yb_{1/2}Nb_{1/2})O_3$

1b	Transition temperature: Fig. 1C-b92-001.
5a	Dielectric constant: Fig. 1C-b92-002.

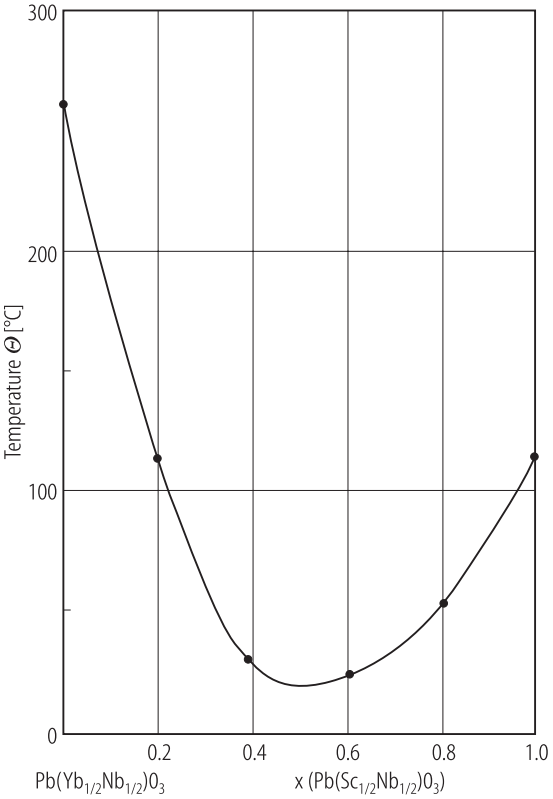

Fig. 1C-b92-001. (1−x)$Pb(Yb_{1/2}Nb_{1/2})O_3$·x $Pb(Sc_{1/2}Nb_{1/2})O_3$. Θ vs. x [90Bok]. Θ: temperature corresponding to κ maximum of ceramics at 1.6 kHz.

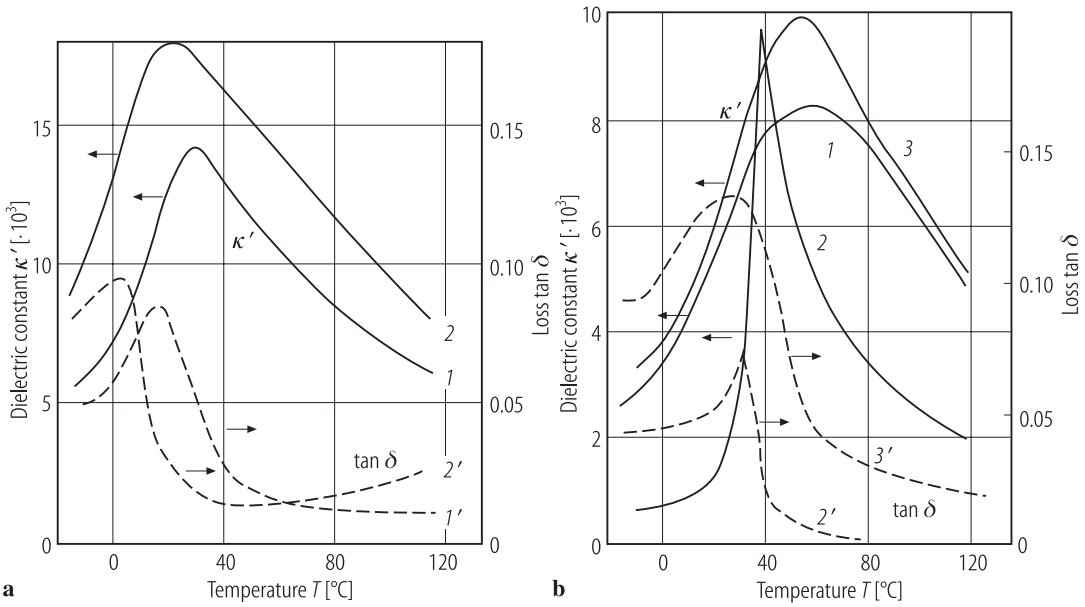

Fig. 1C-b92-002. (1–x)Pb($Yb_{1/2}Nb_{1/2}$)O_3·x Pb($Sc_{1/2}Nb_{1/2}$)O_3 (ceramics). κ', tanδ vs. T [90Bok]. f = 1.6 kHz. **(a)** x = 0.4. Annealing condition: *1*, *1*': at 1000 °C for 105 h; *2*, *2*': at 1000 °C for 105 h and at 1240 °C for 20 min. **(b)** x = 0.8. Annealing condition: *1*: at 1240 °C for 20 min; *2*, *2*': at 1240 °C for 20 min and at 1000 °C for 380 h; *3*, *3*': at 1240 °C for 20 min, at 1000 °C for 380 h and again at 1240 °C for 20 min.

Reference

90Bok Bokov, A.A., Raevskii, I.P., Shonov, V.Yu.: Izv. Akad. Nauk SSSR, Neorg. Mater. **26** (1990) 2371; Inorg. Mater. (English Transl.) **26** (1990) 2033.