No. 1C-b18 $BaTiO_3$–$Pb(Zn_{1/3}Nb_{2/3})O_3$

1b	Phase diagram: Fig. 1C-b18-001.
5a	Dielectric constant: Figs. 1C-b18-002...1C-b18-004.

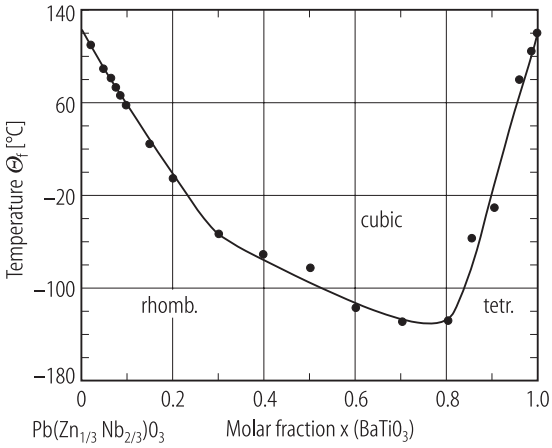

Fig. 1C-b18-001. (1−x)$Pb(Zn_{1/3}Nb_{2/3})O_3$·x $BaTiO_3$. Θ_f vs. x [87Hal]. Θ_f: temperature of κ maximum. f = 100 Hz.

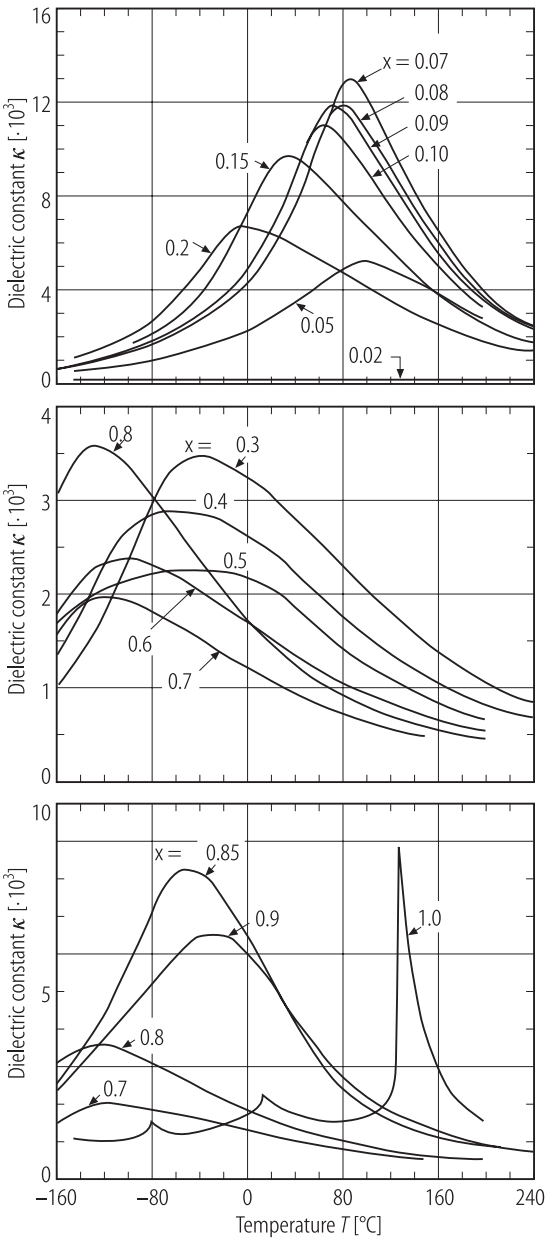

Fig. 1C-b18-002. (1–x)Pb($Zn_{1/3}Nb_{2/3}$)O_3·x $BaTiO_3$ (ceramics). κ vs. T [87Hal]. Parameter: x. f = 1 kHz.

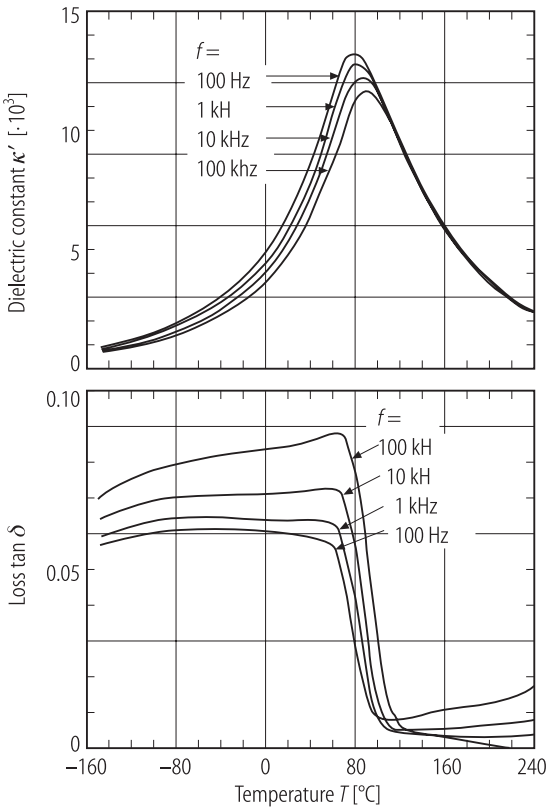

Fig. 1C-b18-003. 0.93 $Pb(Zn_{1/3}Nb_{2/3})O_3 \cdot 0.07$ $BaTiO_3$ (ceramics). κ', $\tan\delta$ vs. T [87Hal]. Parameter: f.

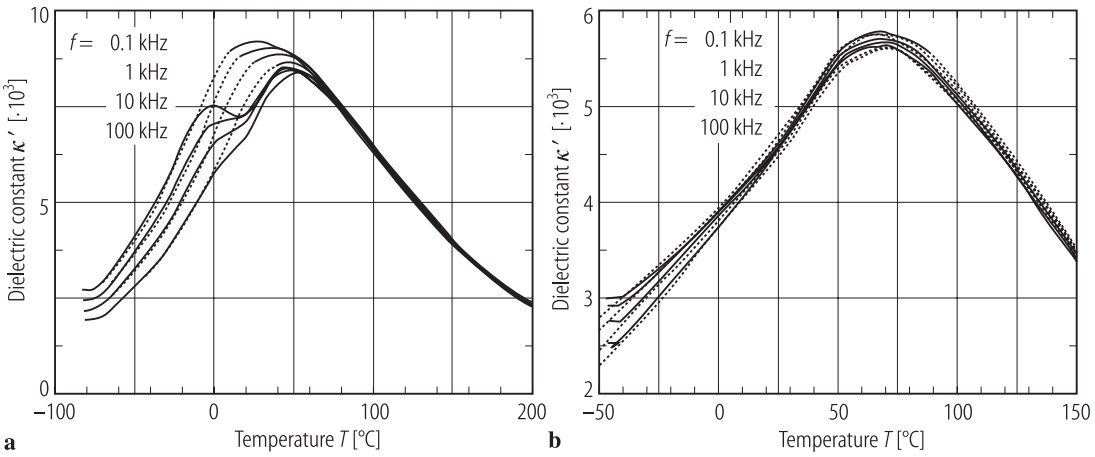

Fig. 1C-b18-004. 0.85 $Pb(Zn_{1/3}Nb_{2/3})O_3$·0.15 $BaTiO_3$ (ceramics doped with MnO_2). κ' vs. T [94Wan]. Parameter: f. Mole fraction of MnO_2: **(a)** 0.4 %, **(b)** 1.5 %. Solid curves: aged for 480 h at RT, dotted curves: freshly de-aged.

References

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94Wan Wang, X., Yao, X.: Ferroelectrics **154** (1994) 307.