No. 1C-b67 $PbZrO_3$–$Pb(Zn_{1/3}Nb_{2/3})O_3$

1b	Phase diagram: Fig. 1C-b67-001; see also	86Tak
3a	Lattice parameters: Fig. 1C-b67-002.	
5a	Dielectric constant: Fig. 1C-b67-003.	
c	Spontaneous polarization: Fig. 1C-b67-004.	
d	Pyroelectric property: Fig. 1C-b67-005.	
7a	Electromechanical property: Fig. 1C-b67-006.	
	Complex piezoelectric constant: see	94Alb

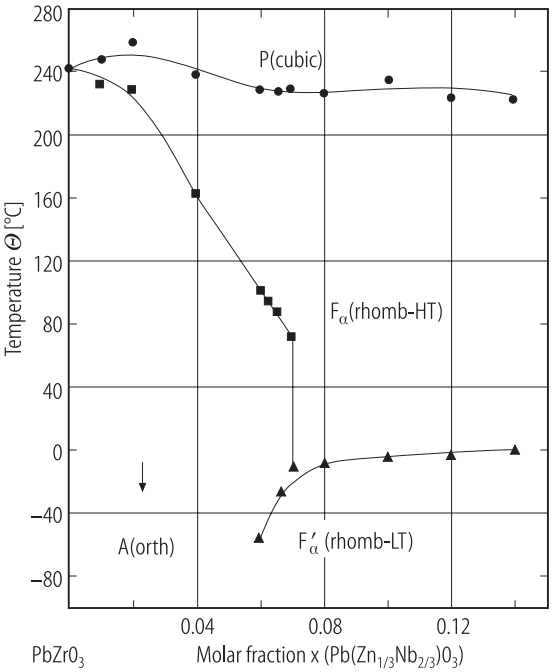

Fig. 1C-b67-001. (1–x)$PbZrO_3$·x $Pb(Zn_{1/3}Nb_{2/3})O_3$. Θ vs. x [89Tak].

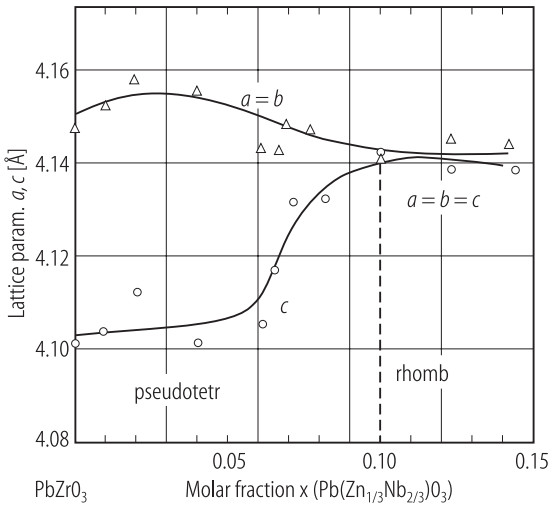

Fig. 1C-b67-002. (1–x)$PbZrO_3$·x $Pb(Zn_{1/3}Nb_{2/3})O_3$. *a*, *b*, *c* vs. x [89Tak].

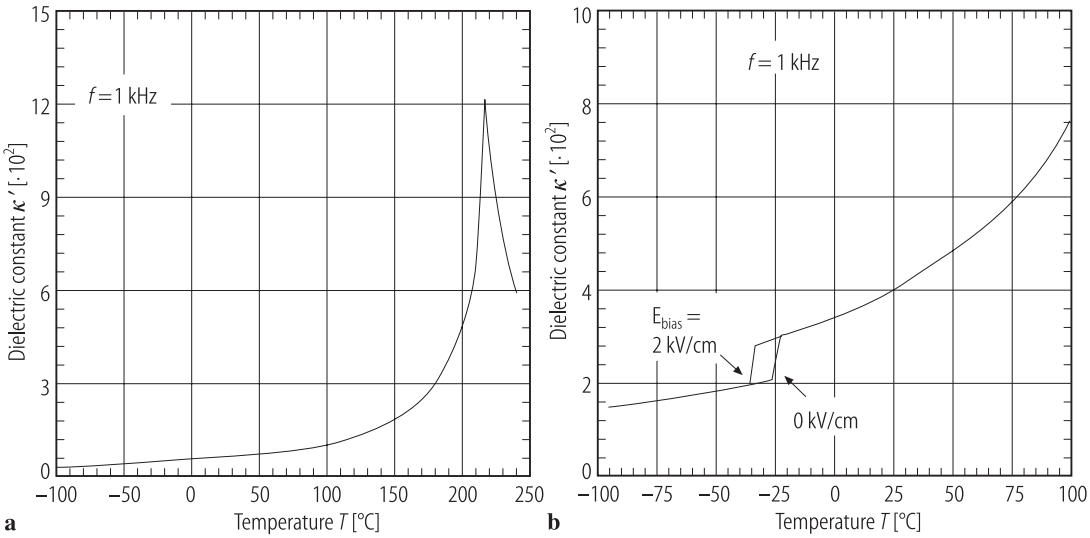

Fig. 1C-b67-003. $Pb[Zr_{0.928}(Zn_{1/3}Nb_{2/3})_{0.072}]O_3$ (ceramics). κ' vs. T [94Alb]. **(a)** Parameter: f. The curves for all three frequencies are nearly congruent. **(b)** Parameter: E_{bias}. f = 1 kHz.

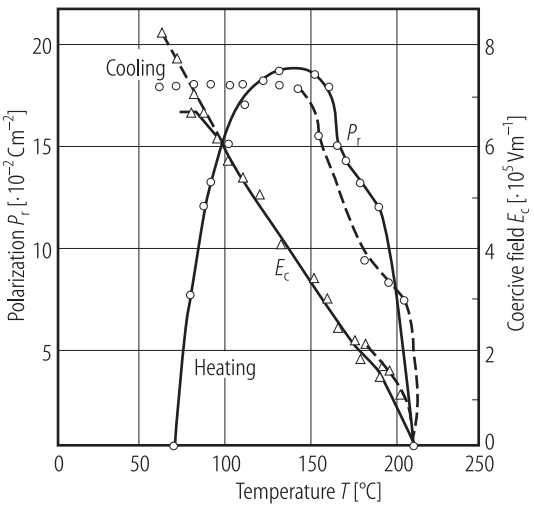

Fig. 1C-b67-004. $Pb[Zr_{0.934}(Zn_{1/3}Nb_{2/3})_{0.066}]O_3$ (ceramics). P_r, E_c vs. T [89Tak].

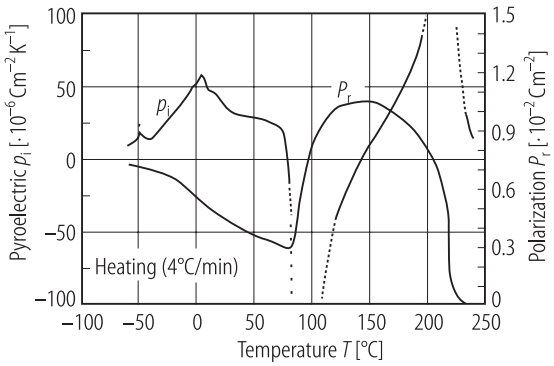

Fig. 1C-b67-005. $Pb[Zr_{0.934}(Zn_{1/3}Nb_{2/3})_{0.066}]O_3$ (ceramics). P_r, p_i vs. T [89Tak]. P_r: remanent polarization, p_i: pyroelectric coefficient.

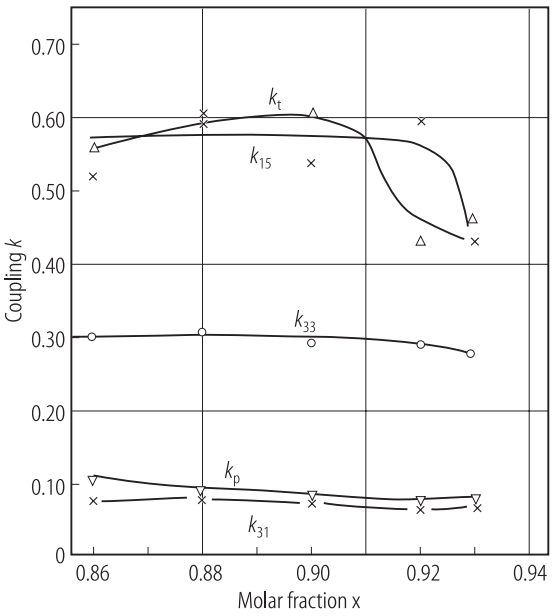

Fig. 1C-b67-006. (1–x)Pb($Zn_{1/3}Nb_{2/3}$)O_3·x $PbZrO_3$ (ceramics). k_p, k_t, k_{31}, k_{33}, k_{15} vs. x [89Tak]. *k*: electromechanical coupling coefficient.

References

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