No. 1C-c29 $PbTiO_3$–$PbZrO_3$–$Ba(La_{1/2}Nb_{1/2})O_3$

1b	Phase diagram: Fig. 1C-c29-001.	
3a	Unit cell parameter: Fig. 1C-c29-002.	
5a	Dielectric constant: Fig. 1C-c29-003.	
7a	Piezoelectric effect: see	85Yok
9a	Transmittance: see	85Yok
b	Electrooptic effect: Table 1C-c29-001.	

Table 1C-c29-001. $(1-x)Pb(Zr_yTi_{1-y})O_3 \cdot x\ Ba(La_{1/2}Nb_{1/2})O_3$ (ceramics). r_c, $\overline{L}$: linear and quadratic electrooptic coefficient [85Yok]. λ = 632.8 nm.

x	y	r_c $[\cdot 10^{-10}\,mV^{-1}]$	$\overline{L}$ $[\cdot 10^{-16}\,m^2V^{-2}]$
0.09	0.55	10.73	
0.08	0.60	6.96	
0.09	0.50	5.65	
0.075	0.50	3.59	
0.10	0.40	1.65	
0.085	0.65		12.0
0.10	0.55		6.80
0.09	0.65		5.41
0.105	0.55		3.53
0.13	0.40		2.02
0.10	0.65		1.64

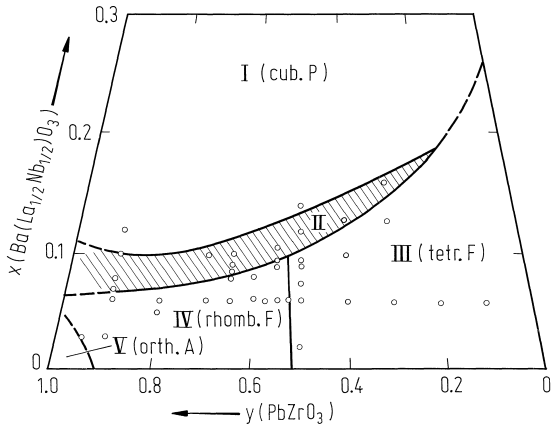

Fig. 1C-c29-001. (1–x)Pb(Zr_yTi_{1-y})O_3·x Ba($La_{1/2}Nb_{1/2}$)O_3 (ceramics). Phase diagram [85Yok].

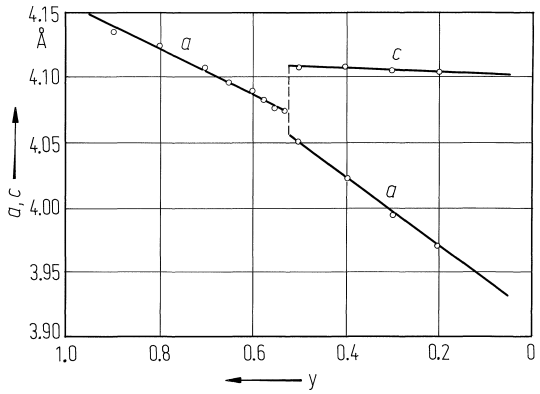

Fig. 1C-c29-002. 0.94 $Pb(Zr_yTi_{1-y})O_3 \cdot 0.06\ Ba(La_{1/2}Nb_{1/2})O_3$ (ceramics). *a*, *c* vs. y [85Yok].

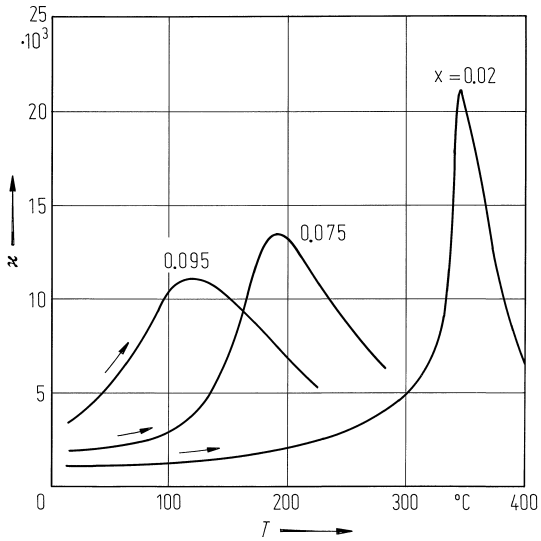

Fig. 1C-c29-003. $(1-x)Pb(Zr_{0.5}Ti_{0.5})O_3 \cdot x\ Ba(La_{1/2}Nb_{1/2})O_3$ (ceramics). κ vs. T [85Yok]. Parameter: x.

Reference

85Yok Yokosuka, M., Ochiai, T., Marutake, M.: Jpn. J. Appl. Phys. **24**, Suppl. 24-3 (1985) 130.