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**No. 1C-c49  $\text{PbTiO}_3\text{--PbZrO}_3\text{--Sr}(\text{La}_{1/2}\text{Nb}_{1/2})\text{O}_3$** 

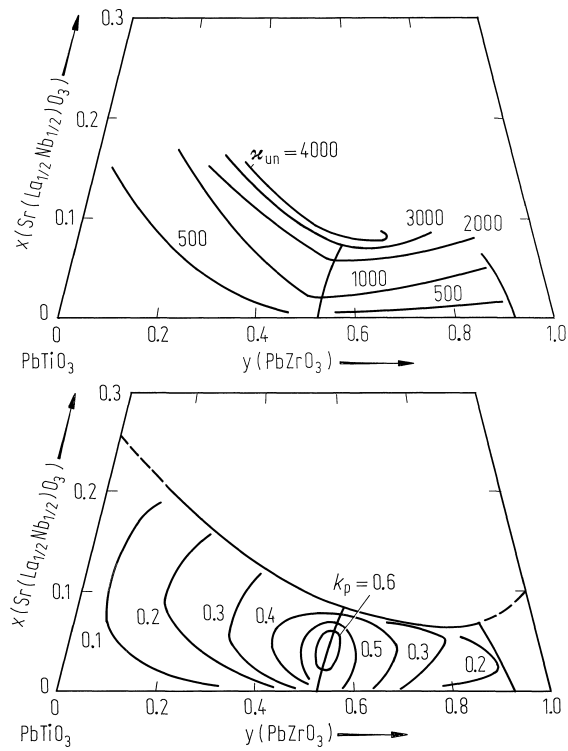
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5a	Dielectric constant: see	86Yok
7a	Electromechanical constant: Fig. 1C-c49-001.	
9a	Transmittance: see	86Yok
b	Electrooptic effect: Table 1C-c49-001.	

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**Table 1C-c49-001.**  $(1-x)\text{Pb}(\text{Zr}_y\text{Ti}_{1-y})\text{O}_3 \cdot x \text{Sr}(\text{La}_{1/2}\text{Nb}_{1/2})\text{O}_3$  (ceramics).  $r_c$ ,  $\bar{L}$ : linear and quadratic electrooptic coefficient [86Yok].  $\lambda = 632.8 \text{ nm}$ .

Composition		$r_c$	$\bar{L}$
x	y	$[\cdot 10^{-10} \text{ mV}^{-1}]$	$[\cdot 10^{-16} \text{ m}^2 \text{V}^{-2}]$
0.08	0.60	9.97	
0.08	0.53	4.80	
0.075	0.50	3.70	
0.09	0.53	3.43	
0.10	0.50	2.87	
0.09	0.50	2.82	
0.12	0.40	2.65	
0.10	0.40	1.58	
0.095	0.50	1.04	
0.08	0.65		10.16
0.085	0.60		8.69
0.105	0.50		3.58
0.11	0.47		3.57
0.085	0.65		3.52
0.10	0.50		2.43



**Fig. 1C-c49-001.**  $(1-x)\text{Pb}(\text{Zr}_y\text{Ti}_{1-y})\text{O}_3 \cdot x \text{Sr}(\text{La}_{1/2}\text{Nb}_{1/2})\text{O}_3$  (ceramics).  $\kappa_{\text{un}}$ ,  $k_p$  vs.  $x$ ,  $y$  [86Yok].  $\kappa_{\text{un}}$ : dielectric constant of unpoled specimen.  $k_p$ : planar electromechanical coupling factor.

**Reference**

86Yok    Yokosuka, M.: Jpn. J. Appl. Phys. **25** (1986) 1871.