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**No. 1C-c11 (Ba,Ca)(Ti,Sn)O<sub>3</sub>**

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3a Lattice constant: Table 1C-c11-001.

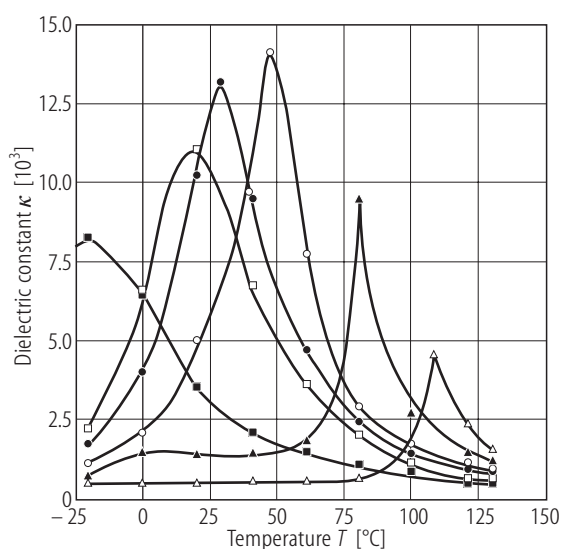
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5a Dielectric constant: Fig. 1C-c11-001.

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**Table 1C-c11-001.**  $(\text{Ba}_{0.9}\text{Ca}_{0.1})(\text{Ti}_{1-x}\text{Sn}_x)\text{O}_3$ . Variation of lattice parameters and densities with  $\text{SnO}_2$  content and soaking time [88Yoo].

Lattice parameters	Mole fraction $x$ (soaking time 4h)			Soaking time [h] (mole fraction $x = 0.1$ )		
	0	0.1	0.2	0.5	4	8
$a$ [Å]	3.954	3.998	4.015	3.986	3.998	4.001
$c$ [Å]	4.057	4.008	4.007	4.017	4.008	4.007
$c/a$	1.026	1.003	0.998	1.008	1.003	1.002
Relative density [%]	96.6	95.2	94.2	91.5	95.2	94.1

**Fig. 1C-c11-001.**  $(\text{Ba}_{0.9}\text{Ca}_{0.1})(\text{Ti}_{1-x}\text{Sn}_x)\text{O}_3$  (ceramics).  $\kappa$  vs.  $T$  [88Yoo]. Parameter:  $x$ .  $f = 1.02$  kHz. Specimens were sintered at  $1430^\circ\text{C}$  for 8 h. Open triangles:  $x = 0$ , full triangles:  $x = 0.05$ , open circles:  $x = 0.10$ , full circles:  $x = 0.125$ , open squares:  $x = 0.15$ , full squares:  $x = 0.20$ .

## Reference

- 88Yoo Yoon, K.H., Kim, J.H., Jo, K.H., Song, H.I., Yoon, S.K., Kim, C.S.: J. Mater. Sci. **23** (1988) 61.