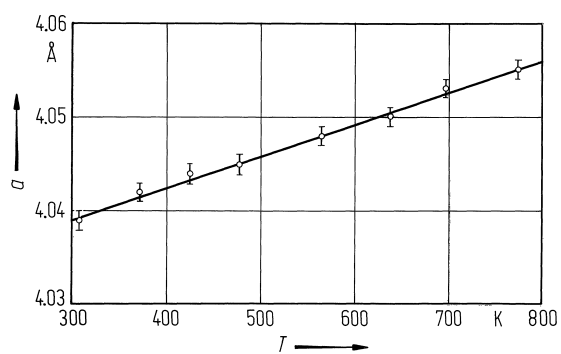
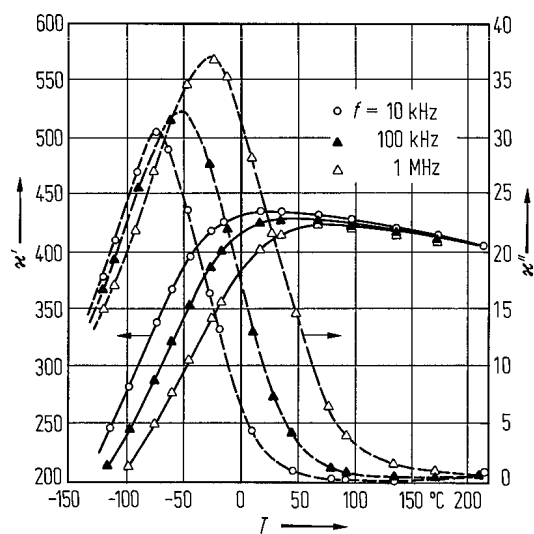


**No. 1B-g2** ( $\text{K}_{3/4}\text{Bi}_{1/4}$ )( $\text{Zn}_{1/6}\text{Nb}_{5/6}$ ) $\text{O}_3$   
( $M = 217.9$ )

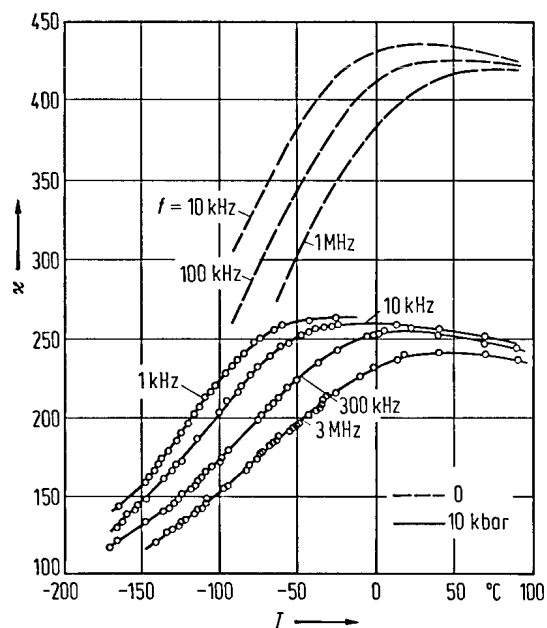
1a	Dielectric anomaly in ( $\text{K}_{3/4}\text{Bi}_{1/4}$ )( $\text{Zn}_{1/6}\text{Nb}_{5/6}$ ) $\text{O}_3$ with perovskite structure was reported by Nomura et al. in 1971.	71Nom
b	Crystal system: cubic at RT. $\rho = 5.48 \cdot 10^3 \text{ kgm}^{-3}$ . Color: light yellow.	71Nom
2a	Crystal growth: flux method.	71Nom
3a	Unit cell parameter: $a = 4.036 \text{ \AA}$ at RT.	73Nom
4	Thermal distortion: Fig. 1B-g2-001.	
5a	Dielectric constant: Fig. 1B-g2-002. Effect of $p$ on $\kappa$ : Fig. 1B-g2-003.	
d	Thermally stimulated current: see	73Nom
8a	Elastic stiffness: $c_{11} = 17.2 \cdot 10^{10} \text{ Nm}^{-2}$ , $c_{44} = 6.9 \cdot 10^{10} \text{ Nm}^{-2}$ at RT.	80Uch
9a	Refractive index: $n = 2.305$ at day light.	73Nom
11	Electric conductivity: Fig. 1B-g2-004.	



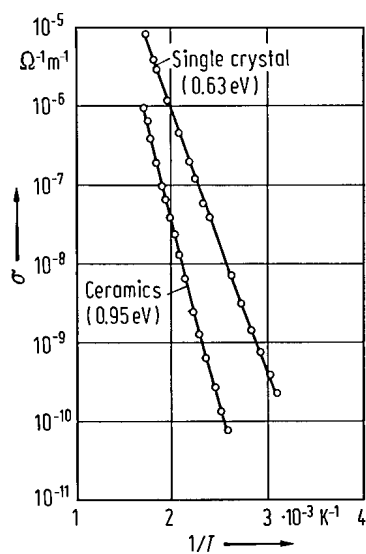
**Fig. 1B-g2-001.**  $(\text{K}_{3/4}\text{Bi}_{1/4})(\text{Zn}_{1/6}\text{Nb}_{5/6})\text{O}_3$ .  $a$  vs.  $T$  [80Uch].  
 $a$ : unit cell parameter.



**Fig. 1B-g2-002.**  $(\text{K}_{3/4}\text{Bi}_{1/4})(\text{Zn}_{1/6}\text{Nb}_{5/6})\text{O}_3$ .  $\kappa'$ ,  $\kappa''$  vs.  $T$  [73Nom]. Parameter:  $f$ .



**Fig. 1B-g2-003.**  $(\text{K}_{3/4}\text{Bi}_{1/4})(\text{Zn}_{1/6}\text{Nb}_{5/6})\text{O}_3$ .  $\kappa$  vs.  $T$  [74Yos].  
Parameter:  $f$ ,  $p$ .



**Fig. 1B-g2-004.**  $(\text{K}_{3/4}\text{Bi}_{1/4})(\text{Zn}_{1/6}\text{Nb}_{5/6})\text{O}_3$ .  $\sigma$  vs.  $1/T$  [73Nom].

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74Yos Yoshimoto, J., Okai, B., Nomura, S.: Jpn. J. Appl. Phys. **13** (1974) 1019.  
80Uch Uchino, K., Nomura, S., Amin, A., Chang, Z.P., Cross, L.E., Newnham, R.E.: Jpn. J. Appl. Phys. **19** (1980) L398.