

No. 20A-9 SbSeI, Antimony selenide iodide*(M* = 327.61)

1a	No ferroelectric transition was found in the temperature range between –180 °C and 70 °C.		64Nit
b	crystal system	orthorhombic	
	space group	Pnam–D ¹⁶ _{2h}	
	$\rho = 5.81 \cdot 10^3 \text{ kg m}^{-3}$, $\rho_{\text{X}} = 5.8(8) \cdot 10^3 \text{ kg m}^{-3}$. Color: black (needles).		82Vou 60Nit
2a	Synthesis, single crystal growth: see		60Nit, 64Nit, 65Hor, 69Pop, 70Pop
3a	Unit cell parameters: $a = 8.6862(9) \text{ \AA}$, $b = 10.3927(9) \text{ \AA}$, $c = 4.1452(3) \text{ \AA}$. See also		82Vou 50Don
b	$Z = 4$. All atoms are at 4c positions of Pnam–D ¹⁶ _{2h} . Structure of phase I: Fig. 20A-9-001. Fractional coordinates: Table 20A-9-001. Temperature parameters: Table 20A-9-002. Interatomic distances: Table 20A-9-003; Fig. 20A-9-002. Bond angles: Table 20A-9-004.		50Don
5a	Dielectric constants in optical region: see 9a		
d	Pyroelectric effect: see		67Ger
6a	Heat capacity: see		68Pik
8	Microhardness of an ingot crystal at RT: see		86Pal
9a	Dielectric constants obtained from reflectivity: Fig. 20A-9-003. Reflectivity: Fig. 20A-9-004. See Fig. 20A-7-047, Fig. 20A-7-049, Fig. 20A-7-050 in No. 20A-7. See also Transmission: see Fig. 20A-7-054 in No. 20A-7.		66Hav, 70Rie
11	Electrical conductivity, photoconduction: see Band gap: $E_{\text{G}} = 1.63 \text{ eV}$ at RT.		60Nit, 66Hav, 68Pik 84Iba
12	Magnetic susceptibility: see Fig. 20A-1-004 in No. 20A-1.		
13c	Mössbauer spectra: see Table 20A-3-006 in No. 20A-3 and Fig. 20A-7-078 in No. 20A-7.		