Pyroelectric and dilatometric studies on $[NH_2(CH_3)_2]_3Sb_2X_9$ (X = Cl, Br).

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Pyroelectric and dilatometric properties of isomorphous crystals; $[NH_2(CH_3)_2]_3Sb_2Cl_9$ (DMACA) and $[NH_2(CH_3)_2]_3Sb_2Br_9$ (DMABA) have been compared. A nontypical temperature behaviour of *P*, (*T*) in both dimethylammonium crystals was found. The paraelectric effect has been observed down to liquid helium temperature. The dilatometric measurements corroborate the continuous ferro-paraelectric phase transition both for DMACA and DMABA.

Słowa kluczowe

Alkylammonium halogenoantimonates (III), phase transition, ferroelectrics, pyroelectrics, thermal expansion

Adres publiczny

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