Raman scattering in ferroelectric $(CH_3NH_3)_3Bi_2Br_9$ single crystals.

Autorzy

Andrzej Miniewicz

Ryszard Jakubas

C. Ecolivet

A. Girard

Rok wydania

1994

Czasopismo

Journal of Raman Spectroscopy

Numer woluminu

25

Strony

371-375

DOI

10.1002/jrs.1250250514

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The Raman spectra of ferroelectric $(CH_3NH_3)_3Bi_2Br_9$ single crystals were studied at temperatures from 80 to 300 K and in the wavenumber range 0–300 cm^{-1}. A tentative assignment of the observed bands is proposed. The phase transitions reported at 188, 140 and 101.5 K influence the Raman spectra and the observed changes are discussed in terms of the possible mechanisms involved. The lowest phase transition at 101.5 K is directly connected with instability of the inorganic sublattice.

Adres publiczny

https://doi.org/10.1002/jrs.1250250514

Strona internetowa wydawcy

onlinelibrary.wiley.com