

2016

Elaboration and characterization of a piezoelectricceramic resonator

A.Khiat, M.Kadri, S.Hamzaoui

Abstract : In this work. We Synthesized PbTiOfrom PbO and TiOoxides from Solid state reaction and westudied the development and manufacture of solidpiezoelctrique resonator of PT .We played on parameter assintering time. We used XRD and SEM for morphologicalcharacterization and Analyzer for impedance piezoelectriccharacterization.

Keywords : PT, ferroelectric, resonator, impedance, XRD, SEM