

INVESTIGATION OF THE TEMPERATURE DEPENDENCE OF THE DIELECTRIC PERMITTIVITY OF PZT PIEZOCERAMICS

The temperature dependence of the dielectric permittivity of PZT piezoceramics based on solid solutions of lead zirconate-titanate oxides has been obtained. It is established that the temperature dependence of the permittivity of PZT piezoceramics is satisfactorily described by the exponential function. Different values of the activation energy for two temperature regions indicate the existence of different mechanisms of polarization of PZT piezoceramics in the investigated temperature range.

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Track Classification: Physics of Semiconductors and Dielectrics, Semiconductor's Devices