

Abstract Submitted  
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**Current Output from Sandwich-structured Ferroelectric Power Supply** JINMEI DU, GAOMIN LIU, YUSHENG LIU, HAIYAN WANG, YI ZHANG, FUPING ZHANG, HONGLIANG HE — PZT 95/5 ferroelectric ceramics with niobium doped has been assembled for the pulsed power supply, and the electrical current output has been investigated under the action of shock wave in a “normal mode.” The PZT 95/5 ferroelectric ceramics are shocked simultaneously by two shock waves from the two parallel surfaces, so a sandwich-structured ferroelectric power supply is formed. Double current output has been obtained and a high-power electrical pulse over 5 kA is achieved. Theoretical calculation was conducted and a good agreement with the experiment is presented.

Jinmei Du

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