

Rosen type 적층형 압전변압기의 제작 및 전기적 특성

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Fabrication and electrical properties of Rosen-type multilayer piezoelectric transformer

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Abstract : In this paper, multilayer piezoelectric transformer for high power is presented. This piezoelectric transformer, with a multilayered construction in the thickness direction, was fabricated at the sintering temperature of 1055°C. The electrical properties of multilayer piezoelectric transformer as a function of Internal electrode structure, with same size, were investigated. Also, the multilayer piezoelectric transformer with different layer number of 5, 10, 15 layers, were investigated.

Key Words : Multilayer, Piezoelectric transformer, High power