

적층형 압전 액츄에이터의 적층 변화에 따른 변위 특성

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Displacement Properties of a Multilayer Piezoelectric Actuator with number of Layer

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Abstract : In this study, displacement values according to variation of laminated layer in piezoelectric body were measured . Samples were 40×12 [mm] and number of printed layer were varied from 3, 5, 7, 9, up to 11. Effect of printed layer variation on displacement properties of multilayer piezoelectric actuator was investigated. Also displacement values were estimated using Atila simulation tool. Difference in measured values and simulation results were compared.

Key Words : Displacement , Piezoelectric Actuator , Number of layer , Lamination