

Kinetic Ceramics, Inc.

High Displacement Series Piezomotor® Actuators

This range of actuators have been developed to provide large displacements using relatively small and low cost ferroelectric stacks. They represent an economical approach to obtaining large displacements where high force is not a requirement but high resolution is still desired.

The actuators are enclosed in a stainless steel housing. They use Kinetic Ceramics' proprietary ceramic PZWT-100, which has high unit strain with low hysteresis. Low porosity and high density give high resistance to electrical breakdown providing long life. The patented method of bonding and encapsulation gives excellent mechanical strength and stiffness and suppresses breakdown in high electric fields. When activated, piezoelectric actuators generate no electromagnetic field and require no holding current.

There is full compatible with the Kinetic Ceramics line of High Voltage Linear Amplifiers which can together provide resolution <10nm



Part Number	Displacement	Max. Force	Housing Dia. mm	Housing Length mm
25HD	25µm	445N	25.4	32
50HD	50µm	445N	25.4	44.5
100HD	100µm	445N	25.4	57
200HD	200µm	445N	25.4	89
300HD	300µm	445N	25.4	114

Kinetic Ceramics, Inc.

Telephone: 510-264-2140

Fax: 510-264-2159

26240 Industrial Blvd. Hayward CA 94545

WWW.kineticceramics.com