

Kinetic Ceramics, Inc.

Piezomotor® PZT Stacks

In addition to a wide range of standard sizes, Piezomotor® actuators can be fabricated in custom configurations to exactly match special requirements with fast turnaround times. Standard sizes range from 700 to 28,000 Newtons force and from 10 to 200 microns displacement.



PZWT100 Properties			
K_p	0.64	Y_{11D}	6.9E10 N/m ²
K_{31}	0.37	$\tan \delta$	0.027
K_t	0.56	ρ	7.8 g/cc
d_{31}	-170E-12 m/V	T_{curie}	>360°C
d_{33}	370E-12 m/V	Poisson's ratio:	0.3
g_{31}	-13E-3 m/N	Dielectric Constant:	Krel=2500
Y_{11E}	6.2E10 N/m ²	Strain: 0-2.0 Mv/m	1500 microstrain typ.
Y_{33E}	4.8E10 N/m ²	Strain: -0.6-2.4 Mv/m	2800 microstrain

Kinetic Ceramics, Inc.

Telephone: 510-264-2140

Fax: 510-264-2159

26240 Industrial Blvd. Hayward CA 94545

WWW.kineticceramics.com