

Product-Specification

Product	MPO-07 Piezo Stacks				
Product-Number	MPO-070050	MPO-070100	MPO-070150	Unit	Tolerance
Expansion (0..150 V)	45	90	135	μm	±10%
Expansion (-45..180 V)	70	140	210	μm	±10%
Push/Pull	3,000/50			N	max.
Blocking Force, @ 0..150 V	2,250			N	±10%
Stiffness	50	25	16	N/μm	±10%
Resonance, unloaded	40	22	16	kHz	±10%
el. Capacitance @ 1V RMS, 1 kHz	6.6	13.2	19.8	μF	±10%
Cross Section, End-Pieces, A	7.0 x 7.0			mm	+0.3
Cross-Section incl. Contacts and Insulation	8.0 x 8.0			mm	max.
Length, L	30	60	120	mm	±0.05
Parallelism/Flatness	5			μm	typ.
Operation-Temperature (Stack)	-40..+180			°C	

Options:

- Spherical End-Pieces
- Connection Wires, PTFE, 200 mm
- Housing, Encapsulation, Preload
- Suitable Electrical Driver, e.g. EBO-060100

