

Product-Specification

Product	MPO-05 Piezo Stacks						
Product-Number	MPO-050015	MPO-050030	MPO-050050	MPO-050100	Unit	Tolerance	
Expansion (0..150 V)	15	30	45	90	µm	±10%	
Expansion (-45..180 V)	23	47	72	143	µm	±10%	
Push/Pull	1,500/50				N	max.	
Blocking Force, @ 0..150 V	1,125				N	±10%	
Stiffness	75	37	25	12	N/µm	±10%	
Resonance, unloaded	105	55	40	24	kHz	±10%	
el. Capacitance @ 1V RMS, 1 kHz	1.1	2.2	3.3	6.6	µF	±10%	
Cross Section, End-Pieces, A	5.0 x 5.0				mm	+0.3	
Cross-Section incl. Contacts and Insulation	6.0 x 6.0				mm	max.	
Length, L	10	20	30	60	mm	±0.05	
Parallelism/Flatness	2				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-050100

