

Product-Specifications

Product	L1C-D00090, Piezo Linear Stage, 100 μm		
		Unit	Tolerance
Position-Sensor	Capacitive		
Range, closed loop	100	μm	+/-1%
Resolution, closed loop	0.5	nm	RMS, typ.
Linearity, closed loop	0.02	%	typ.
Repeatability	8	nm	±, typ.
Resonance, X, unloaded	2000	Hz	min.
Push/Pull, X, 1mm abv pltf	100/10	N	max.
Stiffness	10	N/μm	min.
El. Capacitance @ 1Veff 1kHz	6.6	μF	±10%
Body/Platform-Material	aluminum, stainless steel		
Operating Temperature	-20..+80	°C	
Connector	DSub15		
Cable length	1.5	m	

Options:

- Vacuum compatibility, and/or non-magnetic
- Suitable controller, closed-loop, EBC-120310

