

Product-Specification

Product	XY-Stage, 1mm, with Aperture		
Product-Code	L2S-D01000	Unit	Tolerance
Position-Sensor	SGS, Full-Bridge		
Range, Closed Loop	1000	μm	±10%
Range, Open Loop (0..150 V)	1000	μm	±10%
Range, Open Loop (-45..180 V)	1600	μm	±10%
Resolution, open loop	5	nm	ca., RMS
Resolution, closed loop	10	nm	ca., RMS
Linearity, closed loop	0.2	%	typ.
Repeatability	50	nm	typ.
Push/Pull	10	N	max.
Load	0.2	kg	max.
Lateral Force	10	N	max.
Stiffness	0.2	N/μm	±20%
Resonance, unloaded	105	Hz	ca.
Resonance, with 200 g load	80	Hz	ca.
Electrical Capacitance @ 1V eff, 1kHz	19.8/axis	μF	±10%
Body-Material	Aluminum/Stainless-Steel		
Operating Temperature	-20..80	°C	

Options:

- ↗ Vacuum-compatibility, non-magnetic
- ↗ Suitable drivers, open-loop, 2x EBO-300100
- ↗ Suitable controllers, closed-loop, 2x EBD-400210

