

Product-Specification

Product	X-Stage 100 µm				
	Product-Number	C1O-L00100	C1S-D00100	Unit	Tolerance
Position-Sensor	-	SGS			
Range (-45..180 V)	120	120	µm	±10%	
Range, closed loop	-	100	µm		
Resolution, open loop	0.5	0.5	nm	typ.	
Resolution, closed loop	-	1	nm	typ.	
Linearity, closed loop	-	0.2	%	typ.	
Repeatability, closed loop	-	10	nm	typ.	
Load	500		g	max.	
Push/Pull	15/10		N	max.	
Stiffness	1.5		N/µm	±10%	
Lowest Resonance, unloaded	370		Hz	±10%	
Lowest Resonance, w/ load 30g	310		Hz	±10%	
El. Capacitance @ 1V eff. 1kHz	2.2/axis		µF	±10%	
Body-Material	aluminum, stainless steel				
Dimensions	40x40x20		mm		
Wire-Length	1.5		m		
Connector	Lemosa	DSub15			
Operating Temperature	-20..+80		°C		

Options:

- Vacuum-Compatibility and/or Non-Magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controllers, closed-loop, EBD-060100

