

## Product-Specification

Product	X-Stage 600 $\mu\text{m}$				
	Product-Number	C1O-L00600	C1S-D00600	Unit	Tolerance
Position-Sensor	-	SGS			
Range (-45..180 V)	900	900	$\mu\text{m}$	$\pm 10\%$	
Range, closed loop	-	600	$\mu\text{m}$	$\pm 0.2\%$	
Resolution, open loop	4	4	nm	typ.	
Resolution, closed loop	-	6	nm	typ.	
Linearity, closed loop	-	0.2	%	max.	
Repeatability, closed loop	-	50	nm	typ.	
Load	200		g	max.	
Push/Pull	50/20		N	max.	
Stiffness	0.15		N/ $\mu\text{m}$	$\pm 10\%$	
Lowest Resonance, unloaded	190		Hz	$\pm 10\%$	
El. Capacitance @ 1V eff. 1kHz	4.4/axis		$\mu\text{F}$	$\pm 10\%$	
Body-Material	aluminum, stainless steel				
Dimensions	60x60x21.5		mm		
Wire-Length	1.5		m		
Connector	Lemosa	DSub15			
Operating Temperature	-20..+80		$^{\circ}\text{C}$		

### Options:

- Vacuum-Compatibility and/or Non-Magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controllers, closed-loop, EBD-060210

