

## Product-Specification

Product	XY-Stage 250 $\mu\text{m}$			
Product-Number	C2O-L00250	C2S-D00250	Unit	Tolerance
Position-Sensor	-	SGS		
Range (-45..180 V)	330x330	330x330	$\mu\text{m}$	$\pm 10\%$
Range, closed loop	-	250x250	$\mu\text{m}$	
Resolution, open loop	1	1	nm	typ.
Resolution, closed loop	-	3	nm	typ.
Linearity, closed loop	-	0.2	%	typ.
Repeatability, closed loop	-	25	nm	typ.
Load	150		g	max.
Push/Pull	15/10		N	max.
Stiffness	0.4		N/ $\mu\text{m}$	$\pm 10\%$
Lowest Resonance, unloaded	210		Hz	$\pm 10\%$
Lowest Resonance, w/ load 30g	190		Hz	$\pm 10\%$
El. Capacitance @ 1V eff. 1kHz	2.2/axis		$\mu\text{F}$	$\pm 10\%$
Body-Material	aluminum, stainless steel			
Dimensions	40x40x30		mm	
Wire-Length	1.5		m	
Connectors	Lemosa	DSub		
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-060100

