

Product-Specification

Product	Z-Stages 250 µm			
Product-Code	CPO-L00250	CPS-D00250	Unit	Tolerance
Position-Sensor		SGS, Full-Bridge		
Range, Closed Loop	-	250	µm	±10%
Range, Open Loop (0..150 V)	190		µm	±10%
Range, Open Loop (-45..180 V)	300		µm	±10%
Resolution, open loop	1.5		nm	RMS
Resolution, closed loop	-	2.5	nm	RMS
Linearity, closed loop	-	0.2	%	typ.
Repeatability	-	25	nm	typ.
Push/Pull	15/10		N	max.
Lateral Force	10		N	max.
Stiffness	0.2		N/µm	±20%
Resonance, unloaded	210		Hz	ca.
Resonance, with 100 g load	190		Hz	ca.
Electrical Capacitance @ 1V eff, 1kHz	2.2		µF	±10%
Body-Material	Aluminium, stainless steel			
Wire-Length	1.5		m	+1%
Connector	Lemo	DSub15		
Operating Temperature	-20..+80		°C	

Options:

- Vacuum-Compatibility
- Suitable Driver, open-loop, EBO-050100
- Suitable Controller, closed-loop, EBD-060100

