

Product-Specifications

Product	L3S-D10300, Piezo XYZ Stages, XY 300 µm, Z 20/50/100/300 µm				Unit	Tolerance
Product-Number	XY300Z20	XY300Z50	XY300Z100	XYZ300		
Position-Sensors	Strain-Gage, Full-Bridge					
Ranges, closed loop	300/300/20	300/300/50	300/300/100	300/300/300	µm	
Ranges, open loop (-45..+180V)	480/480/24	480/480/60	480/480/120	480/480/360	µm	±20%
Resolution, closed loop, XY/Z	3/0.2	3/0.3	3/0.5	3/1.5	nm	RMS
Resolution, open loop, XY/Z	1.5/0.1	1.5/0.3	1.5/0.5	1.5/1.5	nm	RMS
Linearity, closed loop	0.2				%	max.
Repeatability, XY/Z	30/2	30/5	30/10	30/30	nm	±, typ.
Resonance, XY, unloaded	185				Hz	±20%
Resonance, Z, unloaded	680	600	580	450	Hz	±20%
El. Capacitance @ 1Veff 1kHz	XY13.2/Z4.4		XY13.2/Z8.8	XY13.2/Z13.2	µF	±10%
Dimensions (LxWxH)	150x150x30				mm	
Aperture, Dimensions (LxW)	66x66				mm	
Body/Platform-Material	Aluminum, black					
Operating Temperature	-20..+80				°C	
Connector	DSub25					
Cable length	1.5				m	

Options:

- Vacuum compatibility, and/or non-magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controller, closed-loop, EBD-120230

