

Product-Specifications

Product	L3S-D10600, Piezo XYZ Stages, XY 600 μm, Z 20/50/100/300 μm					
Product-Number	XY600Z20	XY600Z50	XY600Z100	XY600Z300	Unit	Tolerance
Position-Sensors	Strain Gage, Full Bridge					
Ranges, closed loop	600/600/20	600/600/50	600/600/100	600/600/300	μm	
Ranges, open loop (-45..+180V)	720/720/24	720/720/60	720/720/120	720/720/360	μm	±20%
Resolution, closed loop, XY/Z	6/0.2	6/0.3	6/0.5	6/1.5	nm	RMS
Resolution, open loop, XY/Z	3/0.1	3/0.3	3/0.5	3/1.5	nm	RMS
Linearity, closed loop	0.2				%	max.
Repeatability, XY/Z	60/1	60/3	60/5	60/15	nm	±, typ.
Resonance, XY, unloaded	160				Hz	±20%
Resonance, Z, unloaded	550	520	510	410	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

