

Product-Specification

Produkt	L3_-D10600, Piezo XYZ Stages, XY 600 µm, Z 20/50/100/300 µm				Unit	Tolerance
Product-Number. L3_D10600-..	XY600Z20	XY600Z50	XY600Z100	XY600Z300		
Position-Sensors	capacitive sensors (L3C). strain sensors (L3S)					
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, L3C	3/0.1	3/0.3	3/0.5	3/1.5	nm	typ. RMS
Resolution, L3S	6/0.5	6/1	6/1	6/3		
Linearity, L3C, XY/Z	0.02/0.07					
Linearity, L3S	0.2				%	typ.
Repeatability, L3C	30/1	30/3	30/5	30/15	nm	±. typ.
Repeatability, L3S	60/2	60/5	60/10	60/60		
Resonance XY, unloaded	160				Hz	±20%
Resonance, Z, unloaded	550	520	510	410	Hz	±20%
Maximum Force, XYZ	20				N	max.
Maximum Load, Z	200				g	max.
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 anodized					
Operating Temperature	-20..+80				°C	
Connector	DSub25					
Cable length	1.5				m	

Options:

- Vacuum compatibility and/or non-magnetic
- Suitable controller, LPC, EBC-120330
- Suitable controller, LPS, EBD-060230

