

ECSx3030/StSt/NUM+/UHV

1011435

Technical Specifications

Load (@ ambient conditions)	
maximum dynamic force along the axis	1 N
maximum load	9000 g
Size and Dimensions	
footprint; height	30 mm x 30 mm; 9.5 mm
maximum installation space	30 mm x 51.6 mm; 9.5 mm
weight (aluminium version)	29 g
Materials	
positioner body	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: silicon, HV/UHV: fiberglass
Coarse Positioning Mode	
travel range (step mode)	20 mm
maximum drive velocity @ 300 K	4.5 mm/s
Fine Positioning Mode	
fine linear positioning range @ 300 K	1.6 μm
fine positioning resolution	sub-nm
Accuracy of Movement	
repeatability of step sizes	typically 5 % over full range
typ. forward / backward step asymmetry	10 %
Position Encoder	
readout mechanism	optoelectronic sensor
encoded travel range	entire travel
sensor resolution	1 nm
repeatability	50 nm (bidirectional)

