

ECGt5050/StSt/NUM+/HV

1011452

Technical Specifications

Load (@ ambient conditions)	
maximum dynamic torque around axis	8.7 Ncm
maximum load	1000 g
maximum dynamic force along the axis	1 N
Size and Dimensions	
footprint; height	50 mm x 50 mm; 17 mm
distance center of rotation to bottom	77 mm
maximum installation space	50 mm x 67.6 mm; 19.4 mm
weight (aluminium version)	137 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)	10 °
maximum drive velocity @ 300 K	3 °/s
Fine Positioning Mode	
fine angular positioning range @ 300 K	1.4 m°
fine positioning resolution	μ°
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 μ°
repeatability	50 μ° (bidirectional)

