

ECSx5050/Al/HL/RT - nanopositioner made from Aluminum, 1008840

Technical Specifications

Size and Dimensions	
footprint; height	50 mm x 50 mm; 9.5 mm
maximum installation space	50 mm x 71.6 mm; 9.5 mm
weight (aluminium version)	70 g
weight (stainless steel version)	149 g
Materials	
positioner body	aluminum
actuator	PZT ceramics
connecting wires	copper, jacket: RT: silicon, HV/UHV: fiberglass
Coarse Positioning Mode	
travel range (step mode)	30 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
Load (@ ambient conditions)	
maximum load	15 kg
maximum dynamic force along the axis	5 N

