

ANPx311/LT - linear x-nanopositioner

1008056

Technical Specifications

Size and Dimensions	
footprint; height	30 mm x 30 mm; 10 mm
maximum installation space	36 mm x 30 mm; 10 mm
weight	30 g
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
travel range (step mode)	6 mm
maximum drive velocity @ 300 K	~ 3 mm/s
Fine Positioning Mode	
fine linear positioning range @ 300 K	7.5 μ m
fine linear positioning range @ 4 K	1.2 μ m
fine positioning resolution	sub-nm
Accuracy of Movement	
repeatability of step sizes	typically 5 % over full range
typ. forward / backward step asymmetry	typically 5 %
Load (@ ambient conditions)	
maximum load	2000 g
maximum dynamic force along the axis	2 N

