

# ANPx51/UHV - linear x-nanopositioner

1002224

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	15 mm x 15 mm; 9.2 mm
maximum installation space	
weight	7 g
height	9.2 mm
<b>Materials</b>	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
<b>Coarse Positioning Mode</b>	
travel range (step mode)	3 mm
maximum drive velocity @ 300 K	~ 1 mm/s
input voltage range	0 - 60 V
typical actuator capacitance @ 300 K [μF]	1.11
typical minimum step size @ 300 K	50 nm
<b>Fine Positioning Mode</b>	
fine linear positioning range @ 300 K	3.5 μm
fine positioning resolution	sub-nm
input DC voltage range @ 300 K	0 - 100 V
<b>Load (@ ambient conditions)</b>	
maximum load	25 g
maximum dynamic force along the axis	1 N
<b>General Specifications</b>	
environment	/UHV

