

# ANPz101eXT12/LT/UHV - linear z-nanopositioner

1005145

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	24 mm x 24 mm; 32 mm
maximum installation space	24 mm x 24 mm; 44 mm
weight	62 g
<b>Materials</b>	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
<b>Coarse Positioning Mode</b>	
travel range (step mode)	12 mm
maximum drive velocity @ 300 K	~ 3 mm/s
input voltage range	0 - 60 V
<b>Fine Positioning Mode</b>	
fine linear positioning range @ 300 K	5 $\mu$ m
fine linear positioning range @ 4 K	0.8 $\mu$ m
fine positioning resolution	sub-nm
input DC voltage range @ 300 K	0 - 100 V
input DC voltage range @ 4 K	0 - 150 V
<b>Load (@ ambient conditions)</b>	
maximum load	200 g
maximum dynamic force along the axis	5 N
<b>General Specifications</b>	
environment	/LT/UHV

