

ANPx51/LT/UHV - linear x-nanopositioner

1002222

Technical Specifications

Size and Dimensions	
footprint; height	15 mm x 15 mm; 9.2 mm
maximum installation space	
weight	7 g
height	9.2 mm
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
travel range (step mode)	3 mm
maximum drive velocity @ 300 K	~ 1 mm/s
input voltage range	0 - 60 V
Fine Positioning Mode	
fine linear positioning range @ 300 K	3.5 µm
fine linear positioning range @ 4 K	0.5 µm
fine positioning resolution	sub-nm
input DC voltage range @ 300 K	0 - 100 V
input DC voltage range @ 4 K	0 - 150 V
Load (@ ambient conditions)	
maximum load	25 g
maximum dynamic force along the axis	1 N
General Specifications	
environment	/LT/UHV

