

ANPx311/HL/LT - linear x-nanopositioner

1008942

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
input voltage range	0 - 60 V
Fine Positioning Mode	
fine linear positioning range @ 300 K	5 µm
fine linear positioning range @ 4 K	0.8 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	2 kg
maximum dynamic force along the axis	2 N
General Specifications	
environment	/LT
min. first natural frequency	2600 Hz

