

# ANPz51/LT/HV - linear z-nanopositioner

1002227

## Technical Specifications

Size and Dimensions	
footprint; height	15 mm x 15 mm; 13.5 mm
maximum installation space	15 mm x 15 mm; 16 mm
weight	11 g
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
travel range (step mode)	2.5 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 $\mu$ m
fine linear positioning range @ 4 K	0.5 $\mu$ m
fine positioning resolution	sub-nm
input DC voltage range @ 300 K	0 - 100 V
input DC voltage range @ 4 K	0 - 150 V
Load (@ ambient conditions)	
maximum load	50 g
maximum dynamic force along the axis	1 N
General Specifications	
environment	/LT/HV

