

## ANPz101/NUM

## **Technical Specifications**

Technology	
travel mechanism	inertial piezo drive
positioner type	linear
Size and Dimensions	
footprint; height	28x24; 20mm
max installation space	24x28; 25mm
weight	g
Materials	
positioner body	titanium (upgrade option: copper beryllium)
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Options	
environmental options	/RT
Load (@ ambient conditions)	
maximum load	2 N
maximum dynamic force along the axis	5 N
Coarse Positioning Mode	
input voltage range	0 - 60 V
travel range (step mode)	5 mm
maximum drive velocity @ 300 K	approx. 3 mm/s
typical minimum step size @ 300 K	50 nm
Fine Positioning Mode	
fine positioning resolution	sub-nm
fine linear positioning range @ 300 K	3.5 μm
input DC voltage range @ 300 K	0 - 100 V

typically 5 % over full range
typically 5 - 10 % depending on load
optoelectronic sensor
300 mW
870 nm
1 nm
150 nm
< 0.01 %
axis vertical
0 - 7 T
ambient
273K 328K
50 cm cable with connector
14-pole connector
15-pin D-Sub connector
1002657

## **Technical Drawings**









