

ANPz30/LT - linear z-nanopositioner

1000006

Technical Specifications

Size and Dimensions	
footprint; height	11 mm diameter; 12 mm
maximum installation space	11 mm diameter; 14.5 mm
weight	3.8 g
height	12 mm
cable	30 cm cable with connector
Materials	
positioner body	beryllium copper & 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 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	10 g
maximum dynamic force along the axis	0.2 N
General Specifications	
environment	/LT

