nanopositioning | motion control

NPX100A

Specifications

Range (µm)	100
Footprint (mm)	160 x 110 x 18
Aperture (mm)	75 x 45
Material	Aluminum
Max Load (kg)	0.5

Position Noise (nm)	1
Small Signal Settling Time (ms/1µm step)	2
Resonant Frequency (Hz, unloaded, typical)	1100
Linearity Error (%)	0.03
Hysteresis (%, typical)	0.05

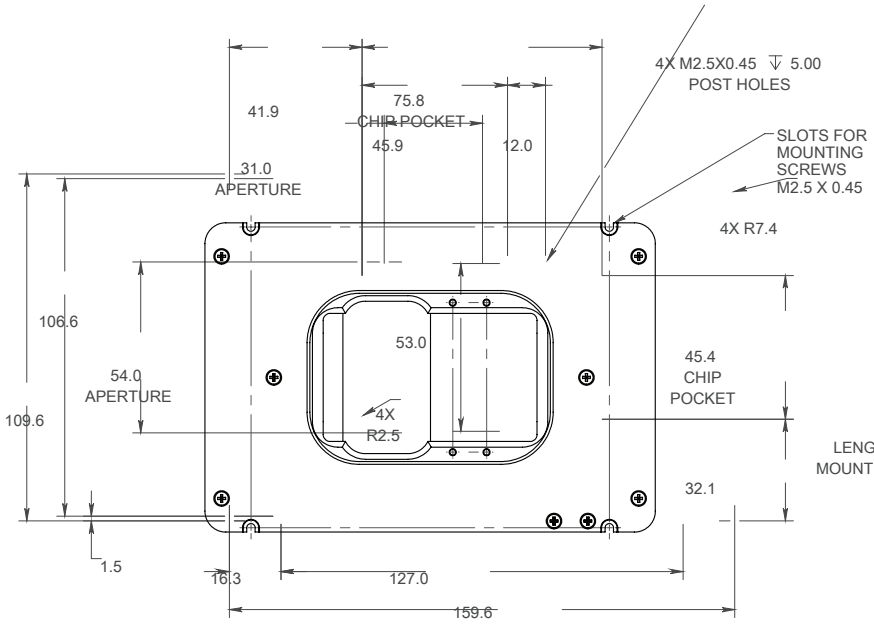
Part Number	3715147

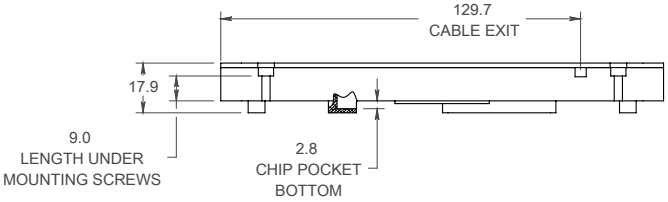
The NPX100A is a very fast, closed-loop nanopositioner with 100um scanning range and sub-nanometer resolution. It has low-profile and is developed for easy integration with standard, large-range stages for inverted microscopes.

Application Examples

- Microfluidics
- Optical Microscopy
- Confocal Microscopy
- Single-molecule Spectroscopy
- Cell manipulation and measurements

Installation





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