



NANOMETRIC LINEAR ACTUATOR

- Small aspect ratio
- Push and pull force capacity to 500N
- Resolution to 0.05 µm
- Flexure element based compact mechanism
- Innovative and miniaturized concept
- Customizable design in terms stroke and resolution
- Ideal for use in clean environment

| TECHNICAL SPECIFICATIONS | | |
|--|-----------------|----------|
| Travel range | [µm] | +/-100 |
| Maximum velocity, unloaded | [mm/s] | 1.4 |
| Drive force | [N] | 500 |
| Unidirectional repeatability (open loop) | [µm] | 1 |
| Minimum incremental motion | [µm] | 0.05 |
| Dimensions (L x W x H) | [mm] | 75x55x32 |
| Motor type | Stepper | |
| Motor regulation | Open loop | |
| Drive mechanism | Lead screw | |
| Homing reference | Optical barrier | |

Remark: Device under development, values subject to modification
 * Please feel free to contact us for any customization request