

PSt150/4/x VS9

Preloaded Piezo Actuators



Characteristics >>

- Nanoscale resolution
- Small size
- Blocking force to 200N

Applications >>

- Phased Array Antenna
- Optical phase shift
- Fiber End Inspection
- Nano motion control

Introduction

Low-voltage piezo actuator is preloaded low-voltage piezo stack inside, and the outside is protected by a cylindrical stainless steel shell. The preloaded piezo actuator can withstand a certain pulling force, and is suitable for highload and high-dynamic applications.



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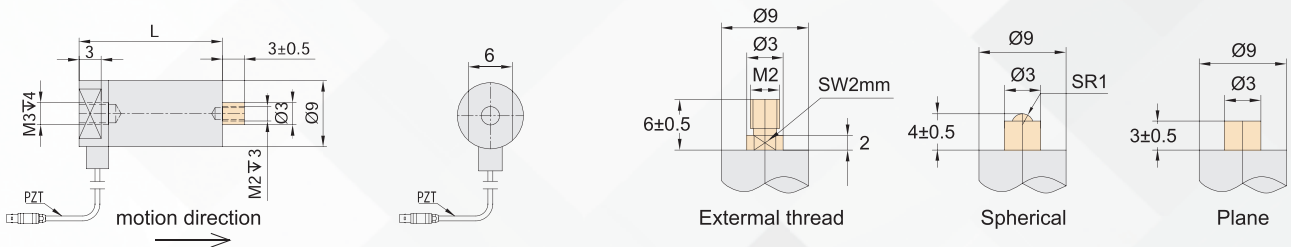
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Technical Data >>

Models	PSt150/4/7 VS9	PSt150/4/20 VS9	Unit
Stroke*	8	16	$\mu\text{m}\pm 10\%$
Stiffness	25	12	$\text{N}/\mu\text{m}\pm 20\%$
Push/pull force	200/30	200/30	N
El. capacitance	0.17	0.34	$\mu\text{F}\pm 20\%$
Resonant frequency	40	30	$\text{kHz}\pm 20\%$
Length L	19.2	28.2	$\text{mm}\pm 0.3$

*PSt150: Nominal stroke at 0~150V. Recommended 0~120V for long-term and high-reliable operation.

Drawing >>

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