

Description

DSM's NA series actuators are direct-drive piezoelectric actuators integrated into a protective metallic frame. The frame is typically a monolithic piece of stainless steel or titanium alloy with a flexure-based expansion component. The flexure minimizes the resistance that the frame might impart to the piezoelectric actuation.



Specifications

		Tolerance
Open-loop Travel (μm):	25	$\pm 10\%$
Operating Voltage (V):	-30 to +150	
Stiffness in motion direction ($\text{N}/\mu\text{m}$):	60	$\pm 10\%$
Unloaded resonant frequency (Hz):	8000	
Blocking Force (N):	1500	$\pm 10\%$
Capacitance (μF):	1.80	Max
Material:	17-4 PH Stainless Steel	
Mass (g):	20	$\pm 5\%$

Options

(Contact DSM for current option pricing)

- Vacuum compatibility
- Connectors: Custom wire lengths and connectors available for your project
- Non-Magnetic compatibility

Geometry

