

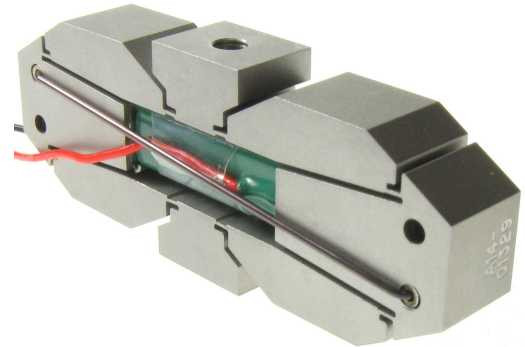
FPA-0500E-S-0518-150-SS-1M3

FlexFrame PiezoActuator™



Description

DSM's FPA is a flexure guided piezoelectric actuator useful for both dynamic and static applications. Custom mounting conditions can be integrated into the design. "E" version actuators expand when they are energized.



Specifications

		Units	Tolerance
Motion Direction	Expanding		
Nominal Travel, 0V to 150V	400	μm	Min 340
Nominal Travel, -30V to 150V	500	μm	Min 425
Nominal Stiffness	0.08	N/μm	Min 0.06
Unloaded Resonant Frequency	260	Hz	±15%
Blocked Force*	32	N	
Capacitance	1.60	μF	±20%
Material	Stainless Steel		
Mass**	83	g	
Electrical Interface	Flying leads		
Mechanical Interface	M3		
Height	19	mm	
Width	50	mm	
Depth	10	mm	

* Blocked force calculated as [Stiffness x Travel Range at 0V to 150V]

** Mass stated for reference

Options

- Integrated Position Sensor
- Vacuum Compatibility
- Custom Mounting Holes
- Custom wire lengths and connectors
- Non-Magnetic compatibility