

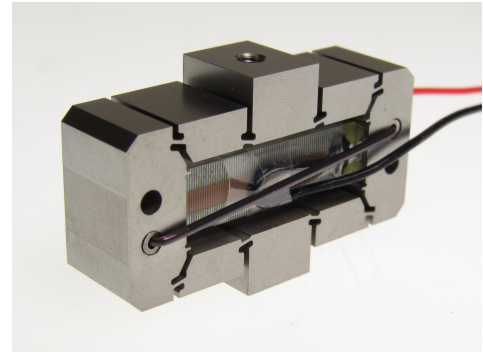
FPA-0100E-S-0518-150-SS-1M3

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	84	μm	Min 71
Nominal Travel, -30V to 150V	105	μm	Min 89
Nominal Stiffness	1.85	N/μm	Min 1.57
Unloaded Resonant Frequency	1440	Hz	
Blocked Force*	155	N	
Capacitance	1.60	μF	±20%
Material	Stainless Steel		
Mass**	15	g	
Electrical Interface	Flying leads		
Mechanical Interface	Single M3x0.5 on center		
Height	17	mm	
Width	28	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