

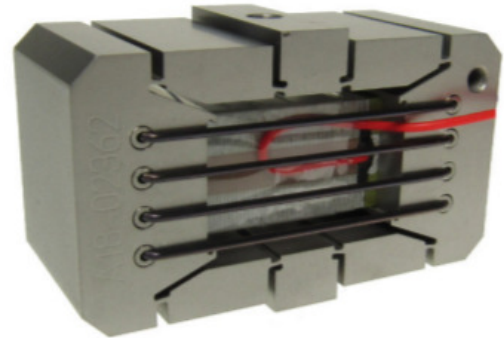
FPA-0200E-S-1018-150-SS-1M3

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	164	μm	Min 139
Nominal Travel, -30V to 150V	205	μm	Min 174
Nominal Stiffness	2.15	N/μm	Min 1.82
Unloaded Resonant Frequency	810	Hz	±15%
Blocked Force*	353	N	
Capacitance	6.60	μF	±20%
Material	Stainless Steel		
Mass**	101	g	
Electrical Interface	Flying leads		
Mechanical Interface	Single M3x0.5 on center		
Height	23	mm	
Width	38	mm	
Depth	20	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